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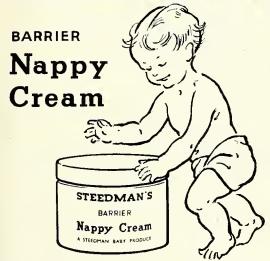


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THE CHEMIST AND DRUGGIST

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

May 11, 1963

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The CHEMIST AND DRUGGIST

Volume 179

MAY 11, 1963

No. 4343

Safety Testing of Drugs

NOMINATIONS FOR COMMITTEE

THE Secretary of State for Scotland (Mr. Michael Noble) and the Minister of Health (Mr. Enoch Powell) have announced the names of the chairman and three members of the new Committee on Safety of Drugs.

Sir Derrick Dunlop, F.R.S., M.D., F.R.C.P. (emeritus professor of F.R.C.P. (emeritus professor of therapeutics and clinical medicine, University of Edinburgh) is to be chairman of the committee, and the following are members of the committee and chairmen of the respective subcommittees: Professor A. C. Frazer, C.B.E., M.D., D.Sc., Ph.D., F.R.C.P. (professor of medical biochemistry and pharmacology, University of Birmingham), chairman, subcommittee on toxicity testing; Professor R. B. Hunter, M.B.E., M.B., F.R.C.P., F.R.C.P.Ed. (professor of materia medica and therapeutics, University of St. Andrews), chairman, subcommittee on clinical trials and thera-peutic efficacy); Professor L. J. Witts, C.B.E., M.D., F.R.C.P. (Nuffield professor of clinical medicine, University of Oxford), chairman, subcommittee on adverse reactions. The establishment of the Committee, with three subcommittees, was recommended in the recent report of the Joint Subcommittee under the chairmanship of Lord Cohen of Birkenhead (see C. & D., April 13, p. 386). The names of the other members of the committee and its full terms of reference are to be announced later.

Pneumonia Deaths

HEALTH ECONOMICS OFFICE BOOKLET

"PNEUMONIA in Decline," a new booklet published by the office of Health Economics, 195 Knightsbridge, London, S.W.7 (price 2s.), is being distributed to members of Parliament, doctors and other selected recipients. It deals with the changes in death rate from pneumonia during the past 100 years. The rate for lower and middle age groups is shown to have fallen sharply in 1939, and again in the mid-1940's, coinciding with the introduction of sulphonamides and penicillin. A further marked fall in the middle age groups is noted in the late 1940's and early 1950's, the period of broad-spectrum antibiotic introduction. On the other hand the mortality rate for the higher age groups, particularly the over 75's has increased substantially since the 1940's. The booklet offers two explanations: first, a change in certification habits; and second that, as the mortality rate from pneumonia in middle

age has declined, the elderly population contains a higher proportion of people with "wea: chests." On economic aspects, the booklet shows that 9,500 more lives per year, in all groups below sixty-five years, were saved than were to be expected on the basis of the trend of the 1930's. Despite the improvement, the authors consider that the current 6,000 deaths a year from pneumonia, offer scope for further advances in therapy.

Rheumatism Council

"ALMOST UNQUALIFIED PROGRESS"

"IMPRESSIVE new discoveries and a year of almost unqualified progress" were reported by Dr. W. S. C. Copeman (chairman, Empire Rheumatism Council) at the Council's annual meeting in London on April 30. The rheumatoid factor had been identified and exposed to examination; osteo-arthritis had yielded some of the secrets of its chemistry as had the elastin in tissues which allowed for normal movement of the joints. New surgical techniques were overcoming some of the worst effects of rheumatoid arthritis, and there was now some understanding of how aspirin worked and hope of turning that knowledge to practical account. The Council published the findings of the Unit on Drug Metabolism, set up by the Council at King's College hospital,

London, on how and why aspirin relieves rheumatic pains. The Unit found that one of the mechanisms is its ability to inhibit the action of enzymes. Research centred particularly on inhibition by salicylates in the liver.

British Approved Names

SUPPLEMENTARY LIST

THE following supplementary list of approved names has been issued by the British Pharmacopæia Commission:—

Approved Name	OTHER NAMES
Cephalosporin C	7-(5-Amino-5-earboxyvaleramido) eephalosporanie ae d
Cephalothin	7-(2-Thienylacetamido) cephalo- sporanie aeid
Chlorhexadol	2-Methyl-4-(2:2:2-triehloro-1- hydroxyethoxy)pentan-2-ol
Cropropamide	N-[\alpha-(N-Crotonoyl-N-propyl- amino)butyryl]dimethylamine (present in Mieoren)
Crotethamide	N-[\alpha-(N-Crotonoyl-N-ethyl- amino)butyryl]dimethylamine (present in M corcn)
Desferrioxamine	30-Amino-3:14:25-trihydroxy-3: 9:14:20:25-penta-azatriacon- tane-2:10:13:21:24-pentaone
Diazepam	7-Chloro-2:3-dihydro-I-methyl- 5-phenyl-1:4-benzodiazepin-2- one (Valium)
Iobenzamie aei d	N-(3-Amino-2:4:6-tri-iodoben- zoyl)-N-phenyl-β-alanine (Osbil)
Levopropoxy- phene	α-(-)-4-Dimethylamino-3- methyl-1:2-d phenyl-2-pro- pionyloxybutane (Letusin is the naphthalene-2-sulphonate)
Pheneturide Quinaeillin	(\alpha-Phenylbutyryl)urea (Benuride) 3-Carboxyquinoxalin-2- ylpenicillin
Sodium glucaldrate	Sodium dihydroxyglueonatoalu- minate (Glymaxil)
Teelothiazide	6-Chloro-3:4-dihydro-7-sul- phamoyl-3-trichloromethyl- benzo-1:2:4-thiadiazine 1:1- dioxide (Deplet is the potas- sium derivative)



BADGE OF OFFICE: At a ceremony recently at the headquarters of the Scottish Department of the Pharmaceutical Society Mrs. A. Forsyth (wife of the managing director of Edinburgh Pharmaceutical Industries, Ltd.) handed over a badge of office presented by the company to the chairman of the Edinburgh and South-eastern Scottish Branch of the Society (Mr. W. S. Tait).

Students' Congress

OPPORTUNITIES TO PARTICIPATE

ARRANGEMENTS for the ninth International Pharmaceutical Students' Federation congress, to be held in London, July 29 to August 8, are now being completed. Because the reception committee believes that pharmacy students, pharmacists and past-participants of I.P.S.F. congresses and study tours would like to participate in some of the congress events, provisions have been made for a limited number of places to be available for any of the following functions:—Garden barbecue supper and evening dance at Middleton house on August 3 (cost 15s.); all-day tour of either St. Albans and Cambridge or Windsor and Oxford, August 6 (£1 1s.); farewell dinner in Guildhall Livery Hall and ball at the school of pharmacy, University of London, Brunswick Square, August 7 (£3 3s., including transport). Applications about the school of the schoo tions should be made as soon as possible to the Reception Committee, 17 Brackendale, Winchmore Hill, London, N.21. Remittance and a stamped addressed envelope should be included. The reception committee would also welcome financial help towards the entertainment of the foreign guests.

Enzyme Research

KENT LABORATORIES OPENED

A CHEMICAL enzymology laboratory was brought into operation recently by Shell Research, Ltd., adjacent to the company's Woodstock agricultural research centre and Tunstall laboratory at Sittingbourne, Kent. It is under the joint direction of Drs. J. W. Cornforth, F.R.S., and G. J. Popják, F.R.S.

IRISH NEWS

THE REPUBLIC

Student Education

SUBSIDY BY SOCIETY "UNJUST"

IT was fundamentally unjust to expect pharmacists to subsidise the education of pharmacy students when no other profession was called upon to provide education for its students, declared the president of the Pharmaceutical Society of Ireland (Mr. D. J. Kennelly), when he spoke at a dinner of the Tipperary Pharmacists' Association in Cashel on April 18. Though first-year students shared in the subsidy given to students attending University College, Dublin, they become the Society's sole responsibility in the second and third years. "We have already discussed this matter with the Minister for Education, and hope to have further talks when we are in a position to estimate our income from the new fees." That did not mean the new fees would be devoted to meeting educational costs. It meant that the Society must continue to finance the College until the Minister had examined all the issues involved. "I must emphasise that it is not the intention of the College to continue using Society funds for education. If necesasry, after the expiry of a reasonable period of notice, the College will cease to be responsible for pharmaceutical education involving upkeep of the College of Pharmacy. Referring to the demand for improved health services, Mr. Kennelly said that the Society believed the State should endeavour to keep pace with advances made in every other progressive country. "We read with pride of our advances in the industrial and agricultural

spheres: we should be just as eager to advance our standards in the sphere of health." The Republic had a unique dispensary system that was a hang-over from the days of the poorhouse. Sooner or later public opinion would compel a change, and the provision of services that were not merely efficient but dignified. "We believe that, for current expenditure, the existing system gives an inadequate service. The College has made submissions to the Select Committee on the Health Services, and has advocated that pharmaceutical services should be made available through pharmaceutical establishments: poorer people are entitled to the same efficient service as is available through pharmacies to their more fortunate brethren. Having announced that the Commission on the General Practice of Pharmacy, International Federation of Pharmacy was holding a Congress in Dublin, the president said that there was a possibility of the full Federation conference, numbering over 1,000 delegates, coming to Ireland in the not-so-distant future. He thanked pharmacists generally for their co-operation in expeditiously paying the new fees, and said that Section 2 of the new Act, which gave the Council power to regulate the everyday practice of pharmacy, had not yet become law. It would be brought into force when the Minister introduced new regulations under the Poisons Act, 1961. Surgeon Bourke supported the president's call for a change in the existing dispensary system.

IRISH BREVITIES

THE REPUBLIC

The $2\frac{1}{2}$ per cent. turnover tax, introduced in the recent Budget, will apply to the purchase by local authorities of drugs and other supplies for hospital institutions.

A THIEF who mingled with customers at the pharmacy of Hamilton Long & Co., Ltd., Grafton Street, Dublin, on May 1, stole a camera worth £35.

HIGHLY explosive chemicals were threatened by a fire in a basement storeroom of Dublin Drug Co., Parnell Square, Dublin, on April 30. The manager, Mr. R. Brennan, removed chemicals from the path of the blaze.



WEST OF IRELAND CHEMISTS MEET: A group photographed at Roscommon on April 21, Front row: Messrs. B, R, Smith, Dublin (secretary, Irish Drug Association); P. Cassidy, Balla (chairman, West of Ireland Chemists' Association); and D. J. Kennelly, Dublin (president, Pharmaccutical Society of Ireland), Back row: Messrs. B, McGoldrick, Galway (joint secretary, West of Ireland Chemists' Association); J. G. Coleman, Dublin (registrar, Pharmaceutical Society of Ireland); and J. Staunton, Castlebar.

COLLECTIVE SULPHUR BUYING

Spokesmen for Sulphuric Acid Association give evidence

SUPPLY prospects for elemental sulphur, used for the manufacture of sulphuric acid, had vastly increased, Dr. D. T. Davis (general manager, National Sulphuric Acid Association) told the Restrictive Practices Court in London on May 2. There was increasing availability from a greater number of sources and the prospect of continuing low prices, he said in reply to Mr. J. F. Donaldson, Q.C., for the Registrar of Restrictive Trading Agreements. The court has to decide whether an agreement by the members of the association to form a pool to buy imported elemental sulphur is against the public interest (see C. & D., May 4, p. 509).

Questioned by Mr. Justice Megaw, who is presiding, Dr. Davis said on May 3 that the main advantage of the pool was its strength in negotiating with suppliers. The pool spoke for all the sulphuric acid manufacturers in the country. Mr. W. A. M. Edwards (the association's chairman and head of the central technical department of Imperial Chemical Industries, Ltd.), told Mr. D. A. Grant, Q.C. (for the Association), that without the pool it would not have been so easy for British acid manufacturers to take advantage of the new Mexican supplies which began in 1956.

The conclusion of Mexican contracts by the pool had its effect in obtaining the removal of the American export premium. The pool, he said, had avoided any contractual obligations from the end of 1963 to give suppliers the opportunity of tendering for their future business. The continuation of the pool would maintain the acid manufacturers' expected by wing power.

facturers' aggregate buying power.

On May 6 Mr. Donaldson suggested to Mr. Edwards that the agreement automatically produced "featherbedding" of the inefficient at the expense of the efficient. Mr. Edwards replied that everyone benefited by the agreement. Presupposing there was no agreement between suppliers there was no reason why there should be any substantial increase in the price of elemental sulphur up to about 1970. By 1970, however, added Mr. Edwards, they would be getting near to a balance of supply and demand. To meet this balance there would have to be an increase in production of Frasch sulphur unless there were more sulphur from sources unknown today.

Replying to another question he said that all members were charged a flat rate for sulphur supplied through the pool, irrespective of quantity or extra expense involved in delivery.

The hearing continues.

NEWS IN BRIEF

MR. W. J. Carter has been elected Chairman of the British Aerosol Manufacturers' Association and Mr. M. N. Conville Vice-chairman.

THE newly reconstructed library of the British Medical Association, to be known as the Nuffield Library to commemorate a gift of £50,000 from the Nuffield Foundation, was opened by the Association's president (Sir Ian Fraser) on May 2.

THE Ministry of Health has produced short, factual guide setting out the salient facts about fluoridation of water supplies, and stressing its safety. booklet is being issued to local authorities and other relevant bodies and organisations.

Agriculture (Poisonous THE Substances) Regulations, 1963 (H.M. Stationery Office, price 1s. 3d.), effective since May 1, consolidate the previous regulations and add disulfoton and phorate, and "for the avoidance of doubt," the salts of dinoseb and DNOC to the list of poisonous sub-stances. Workers must wear protective clothing when carrying out certain operations with such substances.

THE annual meeting of the Resale Price Maintenance Co-ordinating Committee was held in London on April 19, when the following steering committee officers were re-elected for a further year: L. Pagliero (Chairman), H. E. Chapman, P. B. Etheridge (Treasurer), K. C. Johnson-Davies, J. W. Stevenson, G. McAllister (Consultant) and C. C. Green (Secretary), 6 Wimpole Street, London, W.1.

SPORT

Golf.-ULSTER CHEMISTS' GOLFING ASSOCIA-TION. The Groves Cup competition was played at Clandeboye golf club on May 1. Results: Groves Cup, 1, A. N. Morrison, 38 points; 2, J. E. L. McFarland, 37 points. Section A, J. Beagon, 37 points. Section B, R. Foye, 37 points. Section C, C. Boyd, 31 points.

LOCAL OFFICERS

PHARMACISTS' ASSOCIATIONS

PHARMACISTS' ASSOCIATIONS
Birkenhead and Wirral.—President, W. McKie;
Vice-president, T. Flynn; Treasurer, W. G.
Anderson; Secretary, A. G. Smith, 237 Greasby
Road, Greasby, Upton, Wirral, Ches.
Liverpool. — President, A. L. Saul; Vicepresident, D. L. Rees; Treasurer, J. C. Leigh;
Scenter, P. Clitherow.

Secretary, R. Clitherow.

Thames Valley.—President, K. J. Walker; Vicepresident, T. James; Treasurer, N. C. Jeffery; Auditor, N. Dewey; Social secretary, J. F. Norrie; Secretary, Miss Audrey Ferguson, 57 Arlington Lodge, Monument Hill, Weybridge,

PHARMACEUTICAL SOCIETY BRANCHES

Edinburgh and South-eastern Scottish .- Chair-

Edinburgh and South-eastern Scottsh.—Chairman, W. S. Tait; Vice-chairman, Miss D. I. L. Locker; Treasurer, A. W. Patterson; Secretary, E. Knott, 36 Craigleith Road, Edinburgh, 4.

Newcastle and Northumberland.— Chairman, J. L. Livingstonc; Vice-chairman, J. E. Robinson; Treasurer, L. R. Renwick; Assistant Secretary, A. McGuckin; Secretary, R. Dickinson, Mawson & Proctor, Ltd., Low Friar Lane, Newcastle-upon-Tyne 1 Newcastle-upon-Tyne, 1.

Plymouth.—Chairman, E. C. Underhill; Vice-chairman, H. A. Rowe; Treasurer, J. P. Fox; Social secretary, L. Simpson; Secretary, A. G. M. Madge, I Saltburn Road, St. Budeaux, Plymouth, Devon.

Sheffield.-Chairman, L. A. Chatterton, Treasurer, C. A. Fox; Vice-chairman and Secretary, W. F. Patterson, 51 Bents Green Road, Sheffield, 11.

TOPICAL REFLECTIONS

By Xrayser

Broad spectrum

I found your report of the annual dinner of the Association of the British Pharmaceutical Industry (p. 472) to be of absorbing interest, particularly that part of it which concerned the contribution of the Minister of Health (Mr. Enoch Powell). As a piece of broad-spectrum survey, his dissertation would be difficult to approach, and, I fancy, impossible to excel. It would be wrong to conclude, he said, that in seeking the lowest reasonable prices for drugs he was oblivious of wider considerations. Mr. Powell said he was well aware of the importance of a vigorous and prosperous pharmaceutical industry, contributing to the advancement of medicine by a costly research programme and to the nation's economy by a large export trade. The latest information about the volumes of research, exports and profit in the pharmaceutical industry, he went on, did not suggest that anything he had done had reduced the industry to impotence or penury. (Your report omits at this point the customary "laughter and applause.") He had, however, he added, no sympathy with misrepresentation and even vilifications of the industry. Yet a Minister of Health who was in danger of being mistaken for the industry's public relations officer would not be the industry's best friend, Mr. Powell said. ("Come over here," Ko-Ko might have said at this point, "where the Minister of Health can't hear us".) The Minister went on to refer to thalidomide and its lessons, saying that it had aroused or confirmed public misapprehensions, one of which was that it could be in the interest of any pharmaceutical manufacturer to promote or market a drug whose toxicity and effects had not been subjected to the most effective and relevant tests that contemporary knowledge could suggest. The idea was, on crudest commercial grounds alone, absurd, and that was why the Government had accepted Lord Cohen's subcommittee's report that the responsibility for laboratory testing of new drugs should remain with the individual manufacturer. In view of the close study of the subject by a body of experts, which resulted in a report with a dissenting note, the reason given for Government acceptance was not a very high compliment to the distilled wisdom of Lord Cohen's committee.

Insulin

It was with something of a shock that I read, in your excellent symposium on the subject of insulin, that forty years had passed since the drug was first placed on sale in this country. In my pharmaceutical career I have witnessed many changes, which have included remedies or palliatives for a number of diseases that had previously been regarded as in the nature of death sentences. The discovery of insulin meant a new outlook for the diabetic, as other discoveries have meant to those afflicted with pernicious anæmia and tuberculosis. The virtual disappearance of diphtheria is another of the miracles of our time. The devoted and painstaking work of Banting and Best in the development of insulin has ensured for them a place in the history of medicine to rank with the great names of all time, from Hippocrates to Sydenham, from Jenner to Lister, though their names may be known to only a limited circle, unknown and unsung by that large public which knows its Adam Faith and its Danny Blanchflower; its Baden-Powell, if not its Enoch. But, if I remember correctly, all has not been plain sailing in the manufacture and sale of insulin, for there was considerable upset caused by the importation of a Danish insulin many years ago.

Deplorable habits

I have every sympathy with your correspondent, Mr. C. Brower (p. 478), who complains of the incomprehensibility of invoices that use coded reference number for goods instead of a straightforward description. I have no doubt that the firms which do so find the practice of great value to themselves and are not in the least concerned with the efforts of Mr. Brower to break the code. I commend to him the method I have found most helpful —an icebag held to the temple. I have complained before in this column of a practice that produces an invoice of the size of a daily newspaper.

No Change in Negotiating Committee

MOTION TO SECURE SOCIETY NOMINEES DEFEATED

BY 131 votes to 87, representatives of Pharmaceutical Committees present at a conference in London on May 1 rejected a motion that the Central N.H.S. (Chemist Contractors) Committee should be reconstituted to comprise nine members appointed by the National Pharmaceutical Union, two by the Council of the Pharmaceutical Society, two by the Company Chemists' Association and one by the Co-operative Union [in the present committee there are eleven appointees of the N.P.U. and none of the Pharmaceutical Society's Council].

Towards a Professional Fee

The motion stood in the name of the Portsmouth Pharmaceutical Committee and was proposed by Mr. N. C. Banks, Portsmouth, and seconded by Mr. A. J. Bull, Hampshire. MR. BANKS said that a committee constituted as proposed would be able to speak for 29,000 pharmacists. How much longer, he asked, was contractors' remuneration to be based on commercial interests and not on a professional fee? The N.P.U. Executive had yielded to "dictatorship" by the company chemists, yet in Scotland a negotiating committee that included Pharmaceutical Society representation was working well. Who better could negotiate a fee than official representatives of the professional body? MR. BULL said his Hampshire colleagues were unanimously in support of the principle, as given in a statement published by the Council of the Society in 1962, that it was "particularly important that the Society should be in a position to make its influence felt [in the National Health Service sphere] to a greater extent than hitherto.

An amendment put by MR, W. W. HUDSON on behalf of Bradford Pharmaceutical Committee that the Council nominees should be contractors was

also defeated.

In the debate MR. H. RIDEHALGH, Bournemouth, had supported Portsmouth. He stigmatised "time-andmotion" studies as degrading and said the inclusion of Society members on the negotiating committee would bring a more professional climate.

Strong opposition came from A. H. Preston, Leicestershire and Rutland, on the ground that no change should be made while negotiations over remuneration were incomplete. Committee should be instructed to consider a structural change after the negotiations had been concluded.

MR. J. L. MANSFIELD opposed the amendment, holding that the Society's Council should be free to choose its

nominees

Strongly supporting the motion, Mr. W. M. DARLING, South Shields, said the need was for unity, which should include the company chemists as well as the Pharmaceutical Society. The contractors' committee had been mandated to secure a professional fee, and should have invited the Society at once to send members to the committee.
MR. E. E. WEEKS, Isle of Wight,

opposed delay. Surely now was the very time the Society's counsels were critic-

ally important.

Against the amendment MR, J. C. BLOOMFIELD, Portsmouth, said that the doctors had on their negotiating body representatives of their professional association. It was illogical that the company chemists' representatives should sit with non-contractor colleagues in Scotland and refuse to do so in England. The conference had the necessary power to change the constitution of the committee.

As chairman of the meeting MR. H. G. Moss said the main reasons for the attitude of the Company Chemists and Co-operative Union—" and they are entitled to hold their views "-were that the Central N.H.S. Committee represented contractors; that in certain aspects the Society's Council was at variance with the Central N.H.S. Committee and N.P.U. Executive (as on the questions of limitation of pharmacies and making the employee a party to the contract); and that the Society would have to represent all pharmacists, but there were situations in which a conflict could arise between the interests of members in general and of the contractors. It was also possible that circumstances might occur in which the corporate bodies were not prepared to disclose confidential figures to the Pharmaceutical Society, as they had been in the past to the Committee as now constituted. Mr. Moss pointed out that the Committee was "two-thirds through" present negotiations, and a change might supplant experienced by inexperienced members.

A second amendment that the proposed change in the constitution of the committee should not take place until the negotiations had been completed was also lost. It had been proposed by MR. G. K. HIRD, North Riding of Yorks, and second by MR. PRESTON.

After Mr. Banks, in his reply as proposer of the original motion, had said that it would not create disunity, which already existed, the vote was taken, with the result already stated. MR. Moss appealed to everybody to accept it gracefully, since to continue pressing the views embodied in the motion would, he said, undermine the committee and do a great disservice to contractors.

Other Aspects of Remuneration

The meeting had begun with a consideration of other matters connected with N.H.S. remuneration. Prompted by a report, circulated to members with the agenda as "Appendix I," Mr. M. LIGHTFOOT, Carlisle, asked for an assurance that, within the period of inquiry, no further cuts would be made contractors' remuneration. Mr. Moss replied that, while nothing was certain, he would be "astounded" if any cuts were made before the end of the inquiry.

On future developments Mr. A. H. PRESTON, Leicestershire and Rutland, said contractors should be thinking further ahead than the next settlement. Mr. W. W. Hudson, Bradford, said the $12\frac{1}{2}$ per cent, differential oncost should be discontinued unless it was being taken into account in the new terms. Mr. Moss said that every aspect of the economics of the situation was being examined

In a report on current discussions on payments for standard drugs and pro-prietary preparations, THE CHAIRMAN said that the principle of Health Service payments was actual cost to the contractor-hence the Minister's hunt for "hidden profits," and hence the proposal to issue a list of 230 "basic packs." That proposal had been met with the strongest objections by the Central N.H.S. Committee, whose members believed that many contractors would, without realising it, be losing money through not remembering from which pack they had dispensed, or through omitting to endorse the prescription, or by accumulating undisposable surpluses from broken bulk. The conclusion the Committee had reached was that the only safeguard was endorsement of every prescription with the pack used, and that course was being urged upon contractors. It would prevent coercion to purchase in packs that were uneconomic for a particular business. The contractor would, however, be expected to buy in sizes related to his usage.

MR. Moss assured MR. D. A. Todd, Leicestershire and Rutland, that the Committee would have nothing to do with any proposed new terms based on an unalterable global payment to con-

MR. D. BEEVERS, Manchester, pointed out how unrealistic Drug Tariff prices for standard drugs had become The quantities of galenicals prescribed was falling, so smaller quantities were being bought from wholesalers at prices now four to six times what they had been. In "ethicals," how could any contractor buy on the expectation of his needs for six weeks ahead? The Minister, he declared, took account of profits but none of losses.

On the subject of oxygen, MR, G, L. CLUBB, Liverpool, asked whether there was any hope of compelling doctors to prescribe in reasonable quantities, and the Chairman asked for details of excessive ordering to be sent in. The Ministry, he thought, was now "reasonably near conversion" on agreeing

payments for delivery.

Before the meeting closed Mr. Moss reminded chemists that, from June, pricing bureaux would not require doctors names to be listed on form 34 AA, but sorting into doctor order would continue to be necessary.

EXPANSION PLANS

UNILEVER, LTD., are planning a £500,000 company, Lever Bros., Nyasaland, to take over in the territory on July 1 from the present branch of Lever Bros., Rhodesia, the manufacture of soap, detergents and edible oils.

Issues Between Society and Union

STRONG PARTISANSHIP AT N.P.U. ANNUAL MEETING

"FORGET your pipe dreams about the limitation of pharmacies" was the advice given by Mr. C. H. SMITH (chairman) at the annual meeting of the National Pharmaceutical Union in London on May 2. He suggested that there was little, if any, hope, of any Government's enacting the legislation necessary to bring limitation about "because Governments don't work like that." Other methods of achieving limitation had been considered by the Union, but the fundamental objection to limitation was that it put on pharmacies an automatic premium that "must in the end redound to the advantage of the large multiples and disadvantage of individual retailers as a body."

"The Report" Criticised

In his welcome to Branch representatives, Mr. Smith voiced criticisms of the report of the Committee on General Practice of Pharmacy. Whilst he was certain that the authorities of Bloomsbury Square were actuated by the highest possible motives, based on sincerely held beliefs, he thought that they might inculcate into the deliberations some high-sounding theories based on "things as we should like them" rather than on things as they were—"a sort of starryeyed idealism that may produce austere pharmacies with a carboy in the window and a lean and hungry looking pharmacist at the back." As he saw the situation it seemed that, at the special meeting on May 22, members of the Society might be asked to allow all the report's proposals about professional conduct to be put into the code of ethics, together with some of the proposals "recommended as pharmaceutical practice." He suggested that the representation of retail pharmacists at that meeting might well be in inverse proportion to their numbers on the register, and it would "hardly be fair for such a meeting to make decisions calculated to have far-reaching effects on the retail section of the profession.'
The report had its "good bits" and

The report had its "good bits" and "they must be implemented," but he criticised its imprecise wording. On pharmacists' rights as traders to tell the public what they had to offer, the original draft, he said, only allowed them to "whisper dispensing in tiny letters. Now we may say it a bit louder in letters twice the size." He conceded to the parent body the right and duty to protect pharmacy from the harm that would result from the action of any members who, in their advertising, offended against the propriety, dignity and honesty of the profession, but said that chemists should be zealous in guarding their rights to keep the public informed of their ability to serve them

in various ways.

In the paragraphs concerning service to outlying districts and after-hours service, the report laid down some constructive lines of thought. "It is high time we made some concerted effort to increase the ability of pharmacy to supply all the medicinal needs of the community. These are among the mat-

ters to be brought about by common consent, so let us get down to them and see how far-reaching their effects can be. Until we can do the whole job, how can we claim the monopoly in the sales of medicines for which so many chemists so frequently clamour?" Leaders at Queen Square were not mad enough to think that all was perfect in retail pharmacy. There was vast room for improvement, and it was up to the Union to co-operate to the full with the Society in its efforts to bring about all that would be of lasting benefit to the members, always making sure that, when the time came to make final decisions on such matters, they would be presented to a full meeting of members briefed to declare judgment on specific proposals and on resolutions that had been before the branches for a reasonable length of time.

Mr. M. Gordon, Leeds, regretted that the chairman had had the temerity to introduce a discussion on the report when there had been no reference to it upon the agenda. He wished to correct a number of misstatements. He attended Branch Representatives' meetings of the Pharmaceutical Society, he was there on behalf of all members of his Branch, including those in retail practice. Limitation of pharmacies was a vexed question. There were many ways of obtaining it, the N.P.U. purchase scheme being one, and he suggested that the subject was so important that it should be discussed separately at the next meeting. He claimed to be something of an idealist and hoped his successors would have the type of pharmacy he and his colleagues had fought for. It took a dream to bring about a practical reality, and he suggested that the chairman should not deride the dreams of the

men in pharmacy today.

THE CHAIRMAN said that the subject had been brought forward because the ordinary members of the Society did not know the extent of the preparations that had been going on at Bloomsbury Square for the implementation of the report. Mr. D. J. CRAWFORD, Colchester Branch, regretted the omission of any reference to National Health Service affairs in the Chairman's speech; and wanted to know if the Executive had asked branches for reports on their discussions on the report. Mr. Smith said that reports of such meetings had been asked for throughout the past twelve months, but little had been heard of them. Concerning N.H.S. matters, the meeting held on the previous day would, he thought, be widely reported in the Press.

in the Press.

Questions on Marketing Policy

A statement on the work of the N.P.U. marketing policy was made by MR. G. T. M. DAVID (a member of Executive).

MR. GORDON, Leeds, referred to the statement that any member dealing in trading stamps "would not be invited to renew his membership of the N.P.U.," and asked for a clarification of the phrase. MR. DAVID said "We would

not renew membership if they applied." MR. A. H. Moseley, Birmingham, having recommended members to have nothing to do with subsidiaries of companies that sold medical products through nonpharmaceutical outlets, MR. G. A. HENDRA, Truro, appealed for a little clear thinking on the question from whom they should buy. He wondered if it was not better to show enemies that the co-operation of the pharmacist was worth having. MR. DAVID agreed that the fact that some subsidiaries had approached the N.P.U. indicated that they considered co-operation of the N.P.U. worth while. Mr. W. A. BEANLAND wanted to know if the N.P.U. would publish details of the companies that were "moving out of pharmacy" and selling goods through other outlets, and referred to the door-to-door sales of cosmetic preparations. Mr. David pointed out that any such action by the N.P.U. would conflict with the Restrictive Trade Practices Act. A complaint of lack of direction on trading stamps was voiced by a member, who said that when a local pharmacist began trading in that manner "we referred it to the Society, and the inspector took it up on ethical grounds." A resolution by the Leeds Branch requesting the Executive to investigate the preparation and design of standard labels and cartons for B.P. and B.P.C. preparations, and to sanction their use by manufacturers whose packed goods were restricted to pharmacies, was put forward by MR. Gordon, Leeds. MR. DAVID said that, while sympathetic with the suggestion, he saw a number of difficulties. Inclusion of the N.P.U. carboy symbol would render the products liable to purchase tax. The fixing of retail prices would be an offence under the Restrictive Trade Practices Act, and it was not often economical for a number of individual manufacturers to undertake the work. There was also a difficulty of quality control. The resolution was defeated.

Modernisation Project Results

Mr. H. G. Moss presented a report on the National Pharmacy Modernisation project and revealed that, for the first three months of the post-modernisation period, covering the months of November and December 1962 and January 1963, total cash sales were up by 13·2 per cont. The value of the average sale per customer had increased by 19·6 per cent, and the number of customer was up by 4.3 per ber of customers was up by 4.3 per cent. Those figures had been achieved in spite of the unfavourable winter conditions. The departmental analysis provided evidence of many encouraging trends, though the baby department results had been disappointing, in that the cash sales had fallen by 11 per cent. An investigation had shown that the cash value of sales of strained baby foods had fallen by more than the total fall of the cash sales of the department. That was believed to have been due to the noticeable increase in the amount of price cutting of strained foods in

nearby supermarkets and grocery outlets. There had been surprising results in the dispensing department. During the period under review, the number of prescriptions in Middlesex was 7 per cent. lower than in the previous year, but in the modernised pharmacy it was up by 14·2 per cent. Mr. Moss added: "That shows it still looks like a pharmacy." The results of activity sampling were being calculated; it was pleasing to note that business could still show a 20-25 per cent, increase with the same staff.

Financial Arrangements

Asked if the N.P.U. had any ideas about financing pharmacists for such projects as that at Hounslow, Mr. Moss said that they were exploring the possibilities but had not found any satisfactory source of finance at a rate of interest at or below that which could be obtained by a pharmacist. It might be preferable for pharmacists to consider overdrafts rather than borrow fixed sums for fixed periods, Mr. W. J. TRISTRAM, Liverpool, said the Executive had been trying to get special terms from a Bank, but the terms offered were not so good as they had hoped. The information would be circulated to members shortly. Mr. WILLIAMSON asked what percentage of turnover was reasonable to set aside for modernisation. Merely with increased lighting he had obtained 20 per cent. increase in turnover.

MR. Moss: "If you can afford to spend 10 per cent., well and good, but it depends on the pharmacy and the potential revenue that can come from modernisation."

MR. A. R. MILES, Epsom, wanted to know if the N.P.U. intended "to bring about some form of standard fittings—some N.P.U. type to bring down costs."

MR. J. A. McIvor (Marketing Policy Officer) said that, at the beginning of the National Pharmacy project, it had been necessary to convince pharmacists of the need to modernise, and shopfitters that pharmacy offered special opportunities. He would like to see shopfitters offering unit fittings in the same way that kitchen units were sold, and at comparably cheap prices.

MR. D. BEEVERS, Manchester, told members that he had allocated 1½ per cent. of his gross turnover to modernisation. He allocated the sum quarterly. When he saw the balance in his books he had a tendency to say "How can I spend it?" The practice he had adopted, he said, "does encourage you to look round the pharmacy to see how it could be improved."

MR. J. O. BOND (a member of Executive) reported upon the work of the N.P.U. Publications Committee, and in particular on the production of staff-training leaflets it was hoped to publish in October. He told a questioner that the leaflets would contain product information.

A suggestion that the 1964 Conference of Branch Representatives should be held on a Sunday was overwhelmingly rejected, MR. A. MOSELEY wanted six months' notice of the date of the next meeting. The Chairman said the 1964 Conference would be held at the beginning of May; the Executive was

trying to formulate and evolve a regular pattern for the meetings.

Moribund Branches

One member suggested that some N.P.U. branches were not active, but regional conferences had usually gained support. It might be advantageous to hold such conferences in the North, South, East and West. MR. J. WRIGHT announced that, during the next few months the Executive would be considering the problems of local organisation. Questionnaires concerning branch activities were being circulated, and branches that did not reply would be visited in a determined effort to stimulate local interest.

MR. GORDON, Leeds, proposed, and Mr. F. MITCHELL seconded, a resolution by the Leeds Branch:

That the action of the N.P.U. Executive in their attempt to secure representation of the Pharmaceutical Society on the N.H.S. Contractors' Committee be endorsed, and that further action in this direction be undertaken and supported.

He pointed out that the resolution did not demand a specific date, and should not embarrass the Executive, despite the previous day's decision at the meeting of the Pharmaceutical Committee representatives.

MR. H. C. Moss said that a resolu-

tion in similar terms had been defeated the previous day by a majority of 2 to 1. He repeated his appeal to those who had advocated that policy to appreciate that they had been shown to be in a minority, and he asked them to accept the situation. He suggested that the matter should be left at least until the negotiations were completed.

A member suggested that the request for Society representation had come from the N.P.U. Disunity had not arisen by the action of those who sup-

ported the motion.

MR. A. J. C. BULL, Portsmouth, referring to the discussions at the previous day's meeting, at which he had supported a similar resolution, said "We lost it and I think we are prepared to leave it . . . But in my opinion it was a matter of touch and go." The defeat had probably been due to the fact that the motion did not indicate that the Pharmaceutical Society should send two Council members to the Contractors Committee.

MR. G. LOWTHER, Bolton, pointed out that it was the right of every member to express dissatisfaction with the Committee, and he reminded the members that, at Bloomsbury Square, there was overwhelming support of Society representation. The resolution was carried by 42 votes against 38.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

AN analysis of the financing of National Health Service expenditure was sought by LORD BALNIEL and MR. BERNARD BRAINE (Joint Parliamentary Secretary, Ministry of Health) provided a written reply on May 6. The details in respect of 1960-61, 1961-62 and 1962-63 are:—

	1960-61	1961-62	1962-63 (a) (b)
	Per	Per	Per
Cost of Central Government services in the National Health	cent.	cent.	cent.
Service	91.1	90.7	86.6
Proportion of Central Government services financed by:		-	
General taxation	75.6	71.5	76.8
Transfers from National Insurance Fund (National Health			
Service Contributions) (c)	13.9	17.0	17-2
Miscellaneous (d)	10.5	11.5	6.0
Exchequer	69.1	64.8	66.5
Local rates	_		_
Exchequer and local rates jointly (c)	8.2	8.9	11.6
Charges to patients for all services (including prescription	4.5	5.5	6.7
charges)	(1.5)	(2.4)	(2.3)
Miscellaneous—			
(i) Superannuation Contributions	5.5	5.3	_
(ii) Transfers from the National Insurance Fund until Sep-			
tember 1957 and National Health Service Contributions	12.6	15.4	15.0
(iii) Other	0.1	0.1	0.2
Total	100.0	100-0	100.0

(a) Estimated.

(b) The form of Parliamentary Estimates was changed in 1962-63. Figures for this year are not strictly comparable with those for earlier years.

(c) The part of the general grant relating to local health services cannot be identified so that the cost of these services cannot be apportioned between the Exchequer and the rates from 1st April, 1959.
 (d) National Health Service contributions started on 2nd September, 1957.

(e) Includes superannuation contributions until 1961-62.

Pesticides

MRS. J. S. BUTLER asked the Minister of Agriculture on May 6 what regulation he had made requiring manufacturers of pesticides to state on containers of farm chemicals the toxic properties of the contents, including the danger to animals and birds. MR. J. SCOTT-HOPKINS (Parliamentary Secretary, Ministry of Agriculture) replied: "The Poisons Rules, made by the Home Secretary under the Pharmacy

and Poisons Act, provide for appropriate labelling of the more toxic chemicals, including those used in agriculture. In addition, as a condition for the clearance of any new agricultural chemical under the Notification of Pesticides Scheme, the manufacturer must undertake to include on the label of the product recommendations for its safe use, which include any necessary precautions for the protection of birds and animals."

LEGAL REPORTS

A Growing Evil

It was his duty to emphasise that the taking of certain sedative drugs was a growing evil in this country, Mr. A. C. Castle (solicitor for the Pharmaceutical Society) said at North London magistrates court on May 2. "It is happening in America, I believe, and it is happening here." Through counsel, Ronald Davidson (Chemists), Ltd., 75 Kingsland High Street, London, E.8, pleaded guilty to charges of selling, on October 13 and November 10, 1962, a poison (glutethimide) in Doriden tablets, not on and in accordance with a medical prescription. Mr. Castle said that it had come to the notice of a Pharmaceutical Society inspector that, on the first of the two dates, twenty-five Doriden tablets had been supplied to a lady without medi-cal prescription. When interviewed she confirmed that she had presented no prescription. The tablets were supplied in a box bearing the company's name. She was not charged an excessive price. In order to satisfy himself of the position, the inspector sent the lady to the shop again on November 10. There she saw the man who had previously supplied her with the tablets. Another twenty-five were supplied to her. No prescription was asked for and she was not in possession of one. the second sale the inspector went into the shop and saw the qualified manager. The manager's attitude was: "Well, I was not aware this sale was taking place. It was made by one of my staff." "These are not," said Mr. Castle, "drugs of addiction. The medical profession call them habit-forming drugs." A considerable num-ber of cases had been brought to the notice of the Society, particularly of

women finding it necessary to take the drugs permanently in order to satisfy a craving that has resulted in taking too many. Mr. Castle added that the Society considered it a public danger for chemists to sell them without the authority of a doctor. He was pleased to say that nothing was known against the company. Defending counsel submitted that, so far as the management of the company were concerned, it was a pure oversight. It was a single case brought against the company, whose record was clear. The shop was in the charge of an experienced and qualified manager, in whom the company had the greatest confidence. Every effort was made to keep up with the diverse regulation affecting products brought on to the market. The company was fined £20 on each of the two sum-monses, with £5 5s. costs on the first.

COMPANY NEWS

Previous year's figures in parentheses

STRATHMORE SPRINGS, LTD., Forfar, Scotland.—Mr. J. P. Weston has joined the board as sales director.

BRITISH ALKALOIDS, LTD. — A final of 4·8d. per shilling share makes 6·3d. for the year ended March 31 (compared with 4·8d.). The net profit rose from £38,463 to £56,314, after tax of £58,700 (£43,600).

ASHE CHEMICALS, LTD.—Ordinary dividend is raised by 2 per cent. to 21 per cent. for 1962 with a final of 16 per cent. (14 per cent.). Group profit, and miscellaneous receipts of £6,479 (£5,030), increased from £110,286 to £126,416. The net profit is £59,167 (£48,376) after tax of £67,249 (£61,910).

STEVENSON & HOWELL, LTD.— Final dividend is $17\frac{1}{2}$ per cent., making 22 per cent. for 1962 (same). Profit £124,973 (£184,414), including

THE BRITISH DRUG HOUSES, LTD.

Chairman's annual statement

"IT must now be accepted," states the chairman (Mr. Geoffrey Eley), in his annual statement accompanying the accounts for 1962, "that developments such as the building programme at Poole, the extension of wholesaling activities and research work, which had been expected to contribute substantially to the year's profits, will take longer than was anticipated. Their yield will come in due course." During the year outside consultants had been called in to review the management structure, programmes and objectives. While he was confident that the plans should result in a considerable improvement in earnings, the effect so far had been to incur expenditure and unsettlement. The "thalidomide tragedy" had not

The "thalidomide tragedy" had not directly affected the company, but indirectly the consequences were serious on the company's products used in pregnancy sickness, since doctors had become hesitant about prescribing any drugs in early pregnancy.

On the acquisition of James Woolley, Sons & Co., Ltd., Manchester, unprofitable departments had been closed, redundant premises sold and retained units modernised. By 1964 the purchase should yield a good return.

Overseas subsidiaries had, on the

whole, maintained their sales and profits, but the impact of the Indian Super Profits Tax Bill was viewed with anxiety. An extra £35,000 had been set aside for that contingency.

Mr. Eley stresses that the directors have great hopes of the long-term benefits expected from the relationship with Messrs. Mead Johnson. Later in the year a product resulting wholly from Mead Johnson research is being issued. The oral contraceptive discovered by Messrs, B.D.H. in 1958 and announced in March 1960, as part of its battle to ward off a bid for the company by the Fison Group, is being marketed in the United Kingdom "in the near future" under the name Volidam.

In efforts to reduce expenses, the research side, in which large sums were spent, had been examined critically, but the directors were firmly of the opinion that it would be unwise if, owing to passing difficulties, research were reduced. The company's prospects in the pharmaceutical field depend on successful research work. As previously reported (C. & D., April 20, p. 414), Ordinary dividend is maintained at 16 per cent. despite a fall in pre-tax profits from £631,283 to £396,970.

provision no longer required £800 (£1,300). To depreciation £12,554 (£10,279); tax, £37,877 (£67,780); general reserve, £10,000 (£25,750).

R. B. PULLIN & CO., LTD.—Mr. P. J. Ellis (managing director) has been appointed chairman in addition to his responsibility as managing director of the Pullin Group; Mr. J. K. Laughton becomes managing director and Mr. J. B. Laurie sales and marketing director.

AMERICAN CYANAMID CO., Portland, Maine, U.S.A.—Earnings for the first quarter of 1963 were \$18,681,000, or 86 cents a share; a gain of 8 per cent. over the record \$17,226,000, or 81 cents a share, for the same 1962 period. Sales for the first quarter were 2 per cent. up at \$173,340,000. Capital expenses for new and expanded plants and improvements to existing facilities are expected to be about \$50 millions in 1963.

UNITED GLASS, LTD.—Sir James Helmore (chairman) states in his annual report for year ended January 5, that there was no sign of an increase in demand in the first three months of the current year. Group trading profit in 1962 fell from £1.669,108 to £1,612,494 including Key Glassworks profit of £376,212. The dividend is maintained at 15 per cent. on increased capital.

EDWARDS HIGH VACUUM INTERNATIONAL, LTD. — Despite a sharp fall from £379,286 to £116,071 in the group trading profit in 1962, the directors feel justified in recommending a final dividend of 6 per cent., making 9 per cent. (compared with the equivalent of 8-8 per cent. for 1961, adjusting for a scrip issue). The setback, the directors state, was due to a combination of adverse factors—the long strike at the Crawley factory coupled with the recession in the U.K. market for capital goods. Orders received so far this year show some improvement over the corresponding period last year, the directors add. The net profit for 1962 is down from £175,566 to £54,489.

BUSINESS CHANGES

A. E. ROBINSON (CHEMIST), LTD., 36 Market Place, East Dereham, Norfolk, have closed down.

PARFUMS MARCEL ROCHAS (ENGLAND), LTD., have removed to 19 Grosvenor Street, London, W.1 (telephone: Hyde Park 6511).

PARISEK, LTD., are removing on May 9 to more spacious offices and warehouse at Greencoat House, Francis Street, Westminster, London, S.W.1.

BOOTS, LTD., are to rebuild their Leamington Spa branch and intend to modernise their Crouch End, London, branch.

T. J. SAS & SON, LTD., 23 Upper Brook Street, London, W.1, have opened a separate sales department within the company to deal with chemical sales.

Appointments

E. R. SQUIBB & SONS, LTD., Edwards Lane, Speke, Liverpool, 24, have appointed Mr. H. D. Bence, B.A., their market research officer, and Mr. G. T. Connell their training officer.

PERSONALITIES

MR. W. BELL, M.P.S., who for the past forty years has been proprietor of a pharmacy in Esk Street, Silloth, Cumberland, has retired because of ill health. The business has been closed down.

MR. JOSEPH FORRESTER, Taylor's Avenue, Cleethorpes, Lines, who for many years was in business as a pharmacist in that town, and now aged ninety-one, has completed his fiftieth year as a member of Lindsey county council, setting up what is probably an unequalled record. During the whole fifty years he has never fought an election, though he has been an alderman for thirty-eight years, council chairman for five years and vice-chairman for eighteen years. In spite of his age he still regularly attends the meetings.

DEATHS

ASBURY.—On April 21, Mr. Archibald Asbury, M.P.S., 105 Goldthorn Road, Wolverhampton, Staffs. Mr. Asbury qualified in 1915.

BOURN.—In Brighton, Sussex, on April 10, Mr. Samuel John Edward Bourn, aged seventy-four. Mr. Bourn was a Bell scholar in 1908, passing the "Minor" examination in 1909 and the "Major" examination in 1912. He was in business for thirty years at 477 Mill Street, Bradford, Manchester.

GUERLAIN.—In Paris, on May 2, M. Jacques Guerlain, aged eighty-eight, grandson of the founder of Parfums Guerlain, Paris, France.

HUMPHREYS. — April 14 (see C. & D., April 27, p. 441). Mr. Fred A. Lawman writes:—I was very interested indeed in the well deserved tribute by my old friend W. John Tristram in your recent issue to the late W. E. (Bill) Humphreys, of Liverpool. I had the pleasure and privilege of working with him in connection with the 1937 B.P.C. Indeed he worked so hard and so well and overcame so many snags and difficulties so successfully and harmoniously that many of his intimates knew him as "B.B." or Battling Bill and we will always respect and revere his memory.

MOOR.—On April 27, Mr. Maksymilian Moor, M.P.S., 32 Garrick Avenue, London, N.W.11. Mr. Moor qualified as a pharmacist in Poland in 1936. As a lieutenant in the Polish Army he came to Britain in 1946 and went on to the register in 1947.

RAMSAY. — In a car accident on April 30, Mr. Philip Ramsay (marketing manager of the baby-products division, Southall (Sales), Ltd.). Mr. Ramsay joined the company in October 1962 from Clifford Bloxham & advertising agents, Partners. whom he had been a group executive Previously he had for three years. Previously he had been with the Gillette Safety Razor Co., first as advertising manager and later as sector manager of the company's overseas division and in other posts. During the 1939-45 war he was awarded the Military Cross for intelli-gence work behind the Japanese lines He is survived by his in Burma. widow and two children.

TRADE NOTES

Not "Prescription Only." — Nicholas Products, Ltd., Slough, Bucks, point out that the poisons category of their period-pain relief tablet Feminax is Part 1, Schedule 7. No prescription, therefore, is required.

Price Correction.—The retail price of Skels and Min-skels (Smith, Kendon, Ltd., 132 Borough High Street, London, S.E.1) is 2s. 3d. and not as given in this column last week. The misprint is greatly regretted.

Where to Buy Zinc Oxide.—Mr. H. Lattimer, who has represented Felling Zinc Oxide Co. for nearly 40 years, is now trading in zinc oxide on his own account at 17 The Rise, Ewell, Epsom, Surrey, the Felling works having ceased production.

An Advertised Price Corrected. — William Freeman & Co., Ltd., Suba-Seal Works, Barnsley, Yorks, point out that in their announcement in the April 27 issue of the C. & D. the price of the Suba-Seal silicone teething ring was wrongly given. It should have been 4s. 9d.

A Tax Ruling Reversed. — Parke, Davis & Co., Staines Road, Hounslow, Middlesex, notify that their speciality Cirotyl, which had been announced as exempt from purchase tax because one of the ingredients, diacetoxydiphenylisatin, had been exempted, has been ruled taxable by reason of the presence of an additional ingredient.

Discontinued.—W. DAVIDSON & SONS, LTD., 21 Wellmeadow, Blairgowrie, Scotland, have discontinued the two present sizes of Tersalts, replacing them with a new size.—Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Ashton-under-Lyne, Lancs, have withdrawn from sale their products Epidexa liquid, cream and powder and Antabac tablets.

Margins Changed.—Granose Foods, Ltd., Stanborough Park, Watford, Herts, state that, as the result of a change in policy, the trade terms for their starched-reduced rolls are now changed to give stockists a minimum profit margin of over 21 pcr cent. The company are continuing their existing carriage paid terms in spite of increased carriage costs, and quantity discounts also remain undisturbed.

Change of Distribution. — Following the acquisition by the William R. Warner group of companies of the Dubarry Perfumery Co., Ltd., Hove, the Lambert sales division of the company has been appointed to handle the selling of all the existing Dubarry products (standard and Christmas). The changeover in selling procedure commenced on March 25. Chemists should send direct orders to Eastleigh, but should make payment to Messrs. Dubarry at Hove.

Changes in Terms and Prices.—The British Oxygen Co., Ltd., Queen Street, London, N.17, state that the integration of Sparklets accounts with the Group's central accounts office in Manchester has necessitated discontinuance of the $2\frac{1}{2}$ per cent. monthly settlement allowance from April 30. As purchasetax is calculated on the trade price, less any settlement discount, the pur-

chase-tax payable is slightly increased. There is no alteration in the trade prices.

Omitted from an Advertisement.—The advertisement by Richards & Appleby, Ltd., York House, Westminster Bridge Road, London, S.E.1, in the April 13 issue of the C. & D., did not contain the full list of clients of the company. The list includes Schick razors and blades (sole U.K. agent); Allcock's Nailoid, Scan, and Porous plasters; Lanolin Plus (beauty preparations including Colour Plus); John Huston & Co., Toronto (Dolcin and Berex); and Trevena Co., London (Terminex).

Depôt Transferred. — Macarthys, Ltd., announce that their Willesden depôt is being transferred to new premises at Sunleigh Road, Alperton, Wembley, Middlesex (telephone: Wembley 8855). The new depôt opens for business at 8.30 a.m. on Monday morning, May 13. Orders for delivery on Saturday, May 11, should be placed with Willesden as usual, but Ipsophone orders after 12.30 p.m. on Saturday should be telephoned to Wembley 8855. The depôt will continue to be under the management of Mr. A. Wardell, M.P.S.

Emergency Arrangements for Distribution.—Special arrangements are being made by Trufood, Ltd., 113 Newington Causeway, London, S.E.1, to overcome the postal delays that will occur if the threatened railway strike takes place. For the duration of the strike the company's distribution depôts are being authorised to accept orders by telephone. Chemists who require supplies of any of the company's products may telephone their nearest depôt of S.P.D., Ltd. The numbers are listed in local telephone directories. The foods will then be delivered in the normal way.

Campaign to be Continued. — The British Drug Houses, Ltd., Graham Street, London, N.1, announce that the company have carefully investigated every open-to-investigation case in which it was suggested that fœtal abnormalities have been due to their speciality Sea-legs (containing meclozine), and have also examined extensive evidence collected by companies issuing meclozine in other countries. They state that the investigation has confirmed their belief in the safety of meclozine products now in use. They are therefore continuing the window-display scheme for Sea-legs (in conjunction with the National Pharmaceutical Should any evidence come to light that alters the situation, dealers' stocks will be taken back and credited in full. It is not anticipated that any such move will be necessary.

Glass Jars Again Available.—H. J. Heinz Co., Ltd., Harlesden, London, N.W.10, announce that the twenty-four Heinz strained and junior baby foods in glass jars are once again available in the London area. All now have a safety seal fixed over the cap with the words "Reject if seal is broken" and "Do not open until required for use." The strained baby foods are in a 4½-oz.

size and the "junior" foods in a 7½-oz. size. Point-of-sale material includes layette baskets, shelf strips, double-sided headboards and wire stands with headboards. Messrs. Heinz also state that the "junior" foods, in a 7½-oz. size, have been introduced in Scotland and Northern Ireland. The varieties are vegetable and beef; tomato, macaroni and beef; beans and ham; chicken and rice; and vegetable, lamb and liver.

Special Offer.—For a limited period Cussons Sons & Co., Ltd., Kersal Vale, Manchester, are making an offer of one free bath cube in matching perfume, with each tin of Damask Rose, Linden Blossom, or Lilac Blossom talcum powder bought. The offer coincides with the introduction of a new large tin for the company's talcum powders and a new surface design on the Damask Rose pack. The new tin



is wider than the old, of a flattened oval shape in cross-section, and with a rotary closure. The new design on the Damask Rose talc incorporates a girl wearing a rose-decorated hat and holding a single rose; it replaces the former pattern of a rose spray. The full range of talcum powders on which the special offer is being made comprises Imperial Leather, Damask Rose, Lilac Blossom, Linden Blossom, Apple Blossom, Blue Hyacinth, Carnation, Wild Lavender and the dusting powders and baby powders.—J. BIBBY & Sons, Ltd., King Edward Street, Liverpool, 3, are currently offering Cidal soap at "fourpence off" the toilet size tablet. The offer remains open until May 11.

Bonus Offers

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2. "First-step" Haliborange. Twelve invoiced as eleven on parcel of 4 doz. (3s. 9d.

size.) Atomol. Twelve invoiced as eleven on parcel of 2 doz. Allenburys pastilles. Twelve invoiced as eleven on parcel of 6 doz. Acriflex. Twelve invoiced as eleven on parcel of 6 doz. and as ten on parcel of 12 doz.

BAYER PRODUCTS, Co. (division of Winthrop Group, Ltd.), Surbiton-upon-Thames, Surrey. Panadol. One free 50-tablet pack with every three "new-look" display units ordered. Direct orders postage paid.

British Oxygen Co., Ltd., Queen Street, London, N.17. Sparklets syphons. Display bonuses of 5 per cent. on order value £5 and over; $7\frac{1}{2}$ per cent. on £10; 10 per cent. on £20; and 15 per cent. on £50 orders. Corkmaster. Twelve invoiced as eleven but purchase tax chargeable on full doz. Until July 31.

BUTLER & CRISPE, LTD., 80 Clerkenwell Road, London, E.C.1. Sunrise turco washing squares. 5 per cent. extra on 6 doz. order.

CARTER BROS., Glen Laboratories, Shipley, Yorks, Boldo slimming tab-

lets. Extra 10 per cent. on parcel containing 7 doz. small and $3\frac{1}{2}$ doz. large size.

ELLIMAN, SONS & Co., LTD., 11 Stoke Poges Lane, Slough, Bucks. Elliman's medicated foot cream. Twelve 2-oz. jars invoiced as ten on order through wholesaler or from Horlicks, Ltd., Slough. May 15 to June 15.

LILIA-WHITE (SALES), LTD., Bessemer Road, Welwyn Garden City, Herts. 20 per cent. off trade prices of Nivea creme. Till May 24.

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts. Tyrozets. 72 invoiced as 63 (larger quantities *pro rata*). May 15 to 31.

R. MILLNER (CHEMISTS' SUNDRIES), LTD., 486 Stretford Road, Manchester, 16. Dressings in transparently wrapped cartons. Extra 12½ per cent. on £10 purchase.

SOUTHALLS (SALES), LTD., Welwyn Garden City, Herts. Celtex cotton-wool towels, Southalls original towels, Southalls belts. One shilling per doz. extra until July 1.

NEW PRODUCTS AND PACKS

Reintroduced.—Parke, Davis & Co., Staines Road, Hounslow, Middlesex, announce the reintroduction of their Digifortis Kapseals. Each Kapseal represents 0·1 gm. (gr. 1½) of standard digitalis, U.S.P., equivalent to 1 international unit. The Kapseals are available in bottle of 100.

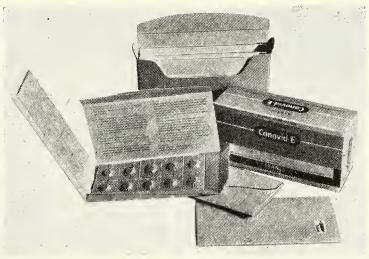
Now Generally Available.—Paines & Byrne, Ltd., Perivale, Greenford, Middlesex, announce that the sterile disposable transfer units, P.B.1, described in the Lancet (April 27) for use in the provision of an intravenous transfusionset for infants, are now available for general distribution. The standard giving set also referred to is the Hæmotrans model, which is suitable for the transfusion of all intravenous fluids, including blood. Prices on application.

New Pharmaceutical Specialities. — Norcil Pharmaceuticals, Ltd., 81 Upper Clapton Road, London, E.5, have extended the range of Norcil pharmaceutical products by the inclusion of Markacillin V-K (phenoxymethyl penicillin) in packs of 100 and 500 125-mgm. or 250-mgm. tablets; Pensive (meprobamate) tablets, 400-mgm. in pack of 250;

Hiaglex elixir (vitamin-B tonic); Hiaglex A.P. Elixir (S1, S4A) restorative tonic and stimulant and Elcilan antitussive linetus. Each of the last three is in bottles of 20 and 80 fl. oz.

Wallet-type Pack. — A new wallet-type pack, incorporating a dosage chart and directions for use, has been introduced by G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks, for their oral contraceptives Conovid-E and Conovid. The wallets, which replace the 20-tablet bottle pack currently used for the products, each contain twenty foil-wrapped tablets, constituting a month's supply. The wallet packs are being made available through trade channels as and when supplies of the bottles run out, but the manufacturers state that, on and after April 9, orders from wholesalers will be met entirely with the walletpacks. The packs are supplied to the trade in carton of three or six wallets. The outer is designed in the Searle house style and clearly marked with distinguishing colours for easy identification on the shelf. The pack of six offers a slight advantage to the retailer.







Left: Carton and bottle of Fucidin VP of Leo Laboratories, Ltd., 15 Clipstone Street, London, W.1 (see C. & D., April 6, p. 367). Centre: New wallet packs of Conovid E (this page) of G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks, Right: Delrosa rose-hip syrup as formerly and as now labelled. Makers are Phillips Scott & Turner (division of Winthrop Group, Ltd.), Winthrop House, Surbiton-on-Thames, Surrey.

New Presentations of an Antihistamine.—A. H. Robins Co., Ltd., Foundry Lane, Horsham, Sussex, announce the release of two new specialitics Dimotane elixir and Dimotane L.A. (long-acting) tablets. The elixir is a red-orange liquid containing in each 5 mils 2 mgm. of brompheniramine maleate; the peach-coloured round tablets are monogrammed AHR, and each contains 12 mgm. of the compound. The elixir is issued in a bottle of 20 oz. and the tablets in containers of 100 and 500.

Granular Variant.—Astra-Hewlett, Ltd., P.O. Box 117, King George's Avenue, Watford, Herts, are now offering their speciality Ascoxal in a granular form which, when dissolved, may be used, without prior filtration, in all types of apparatus for administering such preparations. The granules are packed in a special container that incorporates a measured dose "dispenser" and provides over 180 doses per bottle. Ascoxal was originally introduced as tablets intended as a mucolytic for oral use only. Since its introduction in 1960, the manufacturers state, it has proved effective in a wide range of uses including dentistry; ear, nose and throat surgery; anæsthetics; and the treatment of many chest conditions, but the tablets, however, have not been ideally suited for dissolving into solution suitable for inhalers and sprays. Hence the new presentation. The pack is a bottle of

Dequalinium Specialities. — Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce the introduction of a new speciality Dequalone lotion, which is an aqueous suspension of Dequadin (dequalinium chloride) 0.4 per cent. w/v, and prednisolone acetate, 0.25 per cent. w/v. The use of the product is indicated where a lotion is preferred to a cream or ointment; it is particularly suitable for application to hairy areas and to weeping surfaces and is indicated in the treatment of acute or chronic dermatoses with an allergic or inflammatory basis particularly where marked pruritus is present. At low concentration Dequadin inhibits the majority of skin pathogens and prevents secondary infection in pruritic dermatitis, while topical application of prednisolone is anti-inflammatory and anti-allergic in the management of acute and chronic dermatoses. Eczemas of various types respond. The pack is a plastic squeeze bottle containing 15 mils.

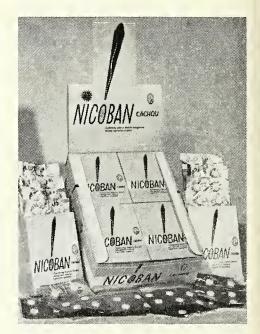
Relabelled.—Delrosa rose hip syrup is becoming available in a pack with new front and back labels, redesigned in line with modern trends. The new front label is egg-shaped, and carries the brand name in black on a white panel. "Chiselled" capital letters, specially selected for their readability, have been used for the new name style, and half-ovals of unequal size appear below and above the brand name. The top half oval, which is in apple green, bears the slogan "cxtra rich in vitamin C" and a reproduction of a wild rose; the lower half oval, which is in dark forest green, carries the words "rosc hip syrup." The new rear label printed in black on white, contains

information about vitamin C and a dosage schedule. Manufacturers of the product are Phillips, Scott and Turner Co. (a division of Winthrop Group, Ltd.), St. Mark's Hill, Surbiton, Surrey.

New Medicated Dressing.—Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts, announce the availability of two new products. The first, Cortacream, is a white open-wove cotton bandage $3\frac{1}{2}$ by 2 yd. evenly impregnated with a cream containing 1 per cent. of hydrocortisone acetate and 10 per cent. of silicone fluid. For the bandage presentation of the medicament is claimed the advantage of even concentration of hydrocortisone in a longlasting form, administered by an economical and easily controlled technique. The silicone content is designed to act as a protective barrier. It appears to prolong absorption, thus conserving the steroid at the surface of the skin and lessening the risk of systemic effects. Main indications are infantile eczema and pruritic dry or weeping skin disorders. The bandages are individually wrapped. The second new product of the company is Viscopaste PB7 cotton bandage, which is evenly impregnated with an emulsified, non-gelatinous mass containing zinc oxide. Its formulation is claimed to have advantages over existing bandages of Unna's type of being cleaner in use, less sticky, and easier and quicker to apply and mould. It does not set to a hard shell but remains moist and pliable. The bandage, size $3\frac{1}{2}$ in. by 6 yd., is singly wrapped and issued in a carton.

Improved Slimming Biseuit. — British Chemotheutic Products, Ltd., Kemtheutic House, Grant Street, Bradford, 3, Yorks, announce three developments in their Minibisk sandwich biscuit for slimmers—a new savoury flavour, a new outer containing eighteen cartons (against the previout twelve) and a trial 3-Minibisk "mini-meal."

Anti-smoking Caehous.—Macarthys, Ltd., Seymer Road, Romford, Essex, have produced a new speciality, Nicoban cachous for use by persons wishing to give up the cigarette habit.



Nicoban cachous contain a mixture of essential oils and have the effect of temporarily rendering the taste buds selectively insensitive to tobacco smoke. They do not interfere with the taste of food or drink, and contain, it is stated, no pharmalogically active substance. The display outer holds twenty-four foil-packed cachous. Distribution is through registered pharmacies only.

Shampoo in Plastie Tube.—Richard Hudnut, Ltd., Eastleigh, Hants, are offering their egg shampoo in two varieties, for normal and for dry hair, each in a plastic tube. All shipments of the tube presentation are being made in full-colour ½-doz. display units.

THREE TONS OF SHAMPOO A DAY

Civic opening for an Essex factory

A NEW factory for Rosedale Products, Ltd., at Radford Crescent, Billericay, Essex, was officially opened by the chairman of the urban district council of Basildon on April 24. The factory has a production area of 12,000 sq. ft. and has been built at an estimated cost of £65,000. The company's principal products are shampoos, hair reconditioning creams and hair lacquers. Output of lacquer is approximately

15,000 gall. per week and shampoo capacity 3 tons per day. The business first established itself as a supplier to hairdressers, but later widened its scope in manufacture with retail packs of Rosedale hair-lacquer sprays, liquid shampoos in bottles and sachets. It is developing those fully, undertaking an increasing export activity, especially to the Middle and Far East, and manufacturing products for other companies.



Left: Filling and cartoning shampoos. Right: Heat sealing at intervals along a continuous "hose" of shampoo before separating into individual sachets.



Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Question Time

SIR,—I am always being asked how much duty—ordinary and extra—I do for my large National Health Service fees. In return I say that there should be staff on duty at the Ministry, Executive Council, and Pharmaceutical Committee offices on Saturday afternoons. That is when people bring me their urgent N.H.S. problems. That is also when there is nobody I can turn to for help.

J. H. L. G. SMITH, London, N.4

Destructive Criticism

SIR,—Mr. Geoffrey Lowther of Bolton states (C. & D., April 27, p. 444) that space in The Chemist and Druggist is too valuable to waste and not to write to same unless one can offer some useful criticism. Why does he not practise what he preaches and offer some useful suggestions? I notice he has the guts (his expression) to sign his name, but surely he cannot be a pharmacist to make such destructive criticism of a fellow sufferer. If so, probably that is why we are in the deplorable mess that we are. Incidentally I am not—nor do I know—"14 per cent. down."

JOHN S. JONES, M.P.S., Castle Gresley

Minister Interviewed

SIR,—Messrs, Mervyn Madge, E. C. Burrow and K. Wadge formed a deputation which was courteously received by Mr. Enoch Powell (Minister of Health) on his recent visit to Plymouth. Various N.H.S. problems affecting pharmacy were put to the Minister in a frank talk. He assured the deputation that he was well aware of the difficulties confronting pharmacy today, and keenly interested in its future. He most certainly recognised the service pharmacy rendered to the community.

MERVYN MADGE, Secretary, Plymouth Branch, Pharmaceutical Society

Unique Handicaps

SIR,—May I make a final reply to Mr. Keith Jenkins on the subject of restriction of pharmacies. years ago I opened a pharmacy where I was sure one was needed, and shortly afterwards five more pharmacies opened within a small radius. Since then several drug stores and two supermarkets have opened nearby. Recently five pharmacies and two or three drug stores have closed down within the same radius. However, I cannot object to a pharmacist opening a shop as I did myself. The danger lies when Monster Merchandisers, Ltd., opens a pharmacy with the intention of dispensing 10,000 prescriptions a month. This means redundancy for several well-established pharmacies, and damage to others over a wide area. The medical and dental professions have won a well-deserved increase in pay by voluntary restriction at the top and not at the bottom of the output scale.

They have successfully proved that too much work for low pay is less efficient than a reasonable amount of work for higher pay. The policy of the Society, and of Mr. Jenkins, is the only one of any trade, profession or vocation that advocates hard work, long hours, cheap labour and high capital investment as the road to success.

ERNEST A. DARLEY, London, N.1

Amateur Fireworks

SIR,—I have had personal contact with the kind of tragedy that may be hidden in Departmental statistics, such as those in the report of the Inspector of Explosives (C. & D., April 20, p. 419). Among the acquaintances of my wife and myself was a young fellow whose bright personality was allied to a bright and inquiring mind—too inquiring as things turned out. Unfortunately it was his scientific curiosity that will bring him into the explosives inspector's report as a casualty. Somehow or other he procured some sodium chlorate, and on the vague knowledge that he could make fireworks by mixing sugar with it went into explosives "manufacture" on his own account. The result was a left hand lost for ever and a cloud over a promising career. Not even all adults know that the so-dium chlorate they buy for killing weeds on footpaths is so dangerous. No sale of the compound should ever be made without a word of warning from the chemist. But how much more important to refuse entirely to sell it to those of immature years. Fortunately for my conscience our young friend had not obtained his material at my own pharmacy. May I ask all my colleagues behind the counter to try and imagine how they would feel if ever the handing out of a chlorate or other potentially injurious chemical to a boy or youth should result in a similar tragedy to the one that brought home to me the over-riding responsibility of retailers handling such materials. We have some reason to believe that the sale of the weed-killer that was used for our young friend's experiment was not from a pharmacy. But it could so easily have CAVEAT VENDOR been.

Support for Candidate

SIR,—On behalf of the Committee and membership of the West Herts Branch we would ask all pharmacists who have not yet cast their vote to do so now, and to support Mr. Keith Jenkins. We regard Mr. Jenkins as most eligible for membership of the Council of the Pharmaceutical Society, because of his well known views on the rôle of the pharmacist within the National Health Service, and of professionalism in pharmacy. His clear thinking and ability to put his case will, we feel sure, be an asset in the difficult time that lies ahead for all of us. His personal integrity and devotion to the cause of pharmacy will make him a worthy and able mem-

ber of the Council.

MRS. H. HARRISON, Chairman, Programme Secretary, West Hertfordshire Branch

Pharmacists in Supermarkets

SIR,—I am amazed and annoyed to see the large "Situations Vacant" advertisement for supermarkets in the C. & D., May 4. It is bad enough that supermarkets are making an insidious entry into pharmacy without the C. & D. giving them vast encouragement and aid in obtaining staff, I had always regarded the C. & D. as a friend of private pharmacy, but can assure you that friendship cannot stand the strain of your publishing such advertisements.

W. LAWSON.

East Twickenham, Middlesex

[Leader, p. 523.—EDITOR.]

SIR,—I wish to register my objection to your acceptance of an advertisement which you published in the C. & D., May 4, p. 39, headed "Supermarkets." I have always thought of your publication as the stalwart of retail pharmacy but your admission of this support for my business cut-throat rivals is quite intolerable. When retail pharmacists are losing business all round to supermarkets and grocers, plus a savage cut in N.H.S. remuneration by the Ministry of Health, this is a stab in the back. I hope that an apology if not a convincing explanation will be published next week, otherwise I shall more than consider cancelling my subscription to your publication.

P. L. Jones, Slough, Bucks

SIR,—I am writing to voice my distaste at your publishing last week an advertisement for situations for qualipharmacists in supermarkets. fied Whilst realising that you are not bound by any official code of ethics, it seems inconceivable that you would allow such an advertisement to be published. Surely we are at present suffering enough indignities with regards to N.H.S. remuneration and general cutprice trading, without you deliberately encouraging supermarkets to set up their own pharmaceutical cut-price departments. It would appear that the C. & D. has now descended to an exceedingly low level in which case I have no doubt that many pharmacists throughout the country will be won-dering whether it will be worth while renewing their subscriptions next year ... at least that was the feeling at our local meeting tonight. G. MARKS, Birmingham, 21

[If Mr. Marks is referring to the Society's "code" we do, even if not "bound" by it, take a good deal of notice of it. But under which paragraph of it would the advertisement be ruled out?—EDITOR.]

Suggestions from Halifax

SIR,—I enclose a copy of a letter sent today to the Central N.H.S. (Chemist Contractors) Committee:—
At a meeting of the Halifax Branch of

the N.P.U. held on April 2, certain opinions were expressed, and it was the wish of the meeting that you be informed of these. Two years ago the Ministry of Health put certain proposals before your Committee which you refused to discuss, submitting your alternative claim for increased remuneration. Nevertheless the Ministry imposed its will upon the chemist contractors within the Health Service. That resulted in a reduction in their remuneration of the order of £1½ million a year. That was regarded as a "triumph" by your Committee, who claimed in November 1961 that the Ministry originally intended to save £3 millions at our expense. Since then, conditions for pharmacists have steadily deteriorated, and yet on April 1, 1963, the same Ministry began to pay a £16 million increase in salary to general medical practitioners within the Health Service. We appreciate that an inquiry is being conducted into dispensing costs, and the results may be expected in the near future. Upon receipt of those figures we expect a new claim for increased remuneration to be put to the Ministry. When this time comes we ask you to fight, and fight very hard, on our behalf. We ask you to continually have in mind the following points:-

1. That the capital investment by contractors on behalf of the Ministry has risen sharply over the past decade.

2. The percentage net profit has steadily declined over the same period.

The Ministry cannot supply drugs to the public any more cheaply or efficiently than through the present contractors.

We have no control over the cost of drugs supplied on N.H.S. prescriptions.

The general practitioners at least in Halifax were paid 23 per cent, more, on average, in 1961 than in 1957, and are now receiving additional payment. We do not begrudge them their better fortune.

The present "contract" we have with the Ministry gives the Ministry dictatorial powers. Your efforts on all occasions powers. Your efforts on all occasions should be to secure a termination of the present " contract."

Differential oncost should not be accepted as a method of regulating payment to contractors.

Since 1948 the efforts of the Central N.H.S. (Chemist Contractors) Committee appear to have produced little, or nothing to the advantage of the contractors.

You Sir, and your Committee are supposed to be on our side, leading the fight against the Ministry. Determined leadership will increase our respect for you, and encourage us to retain you as our

Unless conditions improve in the near future we consider that the contractors have a right to become very angry. They should demand that the Central N.H.S. (Chemist Contractors) Committee as a whole should make way for more able negotiators. We must not be failed negotiators. again.

D. BLAND, Secretary, Halifax Branch, National Pharmaceutical Union.

Force Implied

SIR,—Mr. C. R. Prince says (C. & D., April 13, p. 394), "All registered pharmacists in charge of N.H.S. establishments should be made contractors. do not like the use of the word " made." with its implication of force. I am an employee pharmacist. My employer is in contract with the Executive Council. As a loval employee, I carry out the

N.H.S. dispensing that comes my way to the best of my ability; but I should resist to the utmost any attempt to make me either a contractor or a "party to" a contract. If ever I have a business of my own I shall not touch the National Health Service—at any rate, not under present conditions. sure there are many others who think this way. Last time I entered into a contract (it was for employment) I discussed terms with my prospective employer. He offered me a rate of pay that I could not possibly accept, but we discussed it amiably, and in the end he made me an offer which was much more realistic. Later he asked me to sign a formal contract. When I read this I found one clause that had not come up in our discussion, and to which I could not agree. I sent the contract back with a covering letter and, after a telephone conversation, the offending clause was modified. All this was done with the best of goodwill on both sides, and we respected each other for it. But who ever heard of the N.H.S. "Contract" being entered into in this way? The Ministry of Health drew up the terms on a "heads-we-win, tails-you-lose" basis, and a potential contractor must either accept them all or reject them all, irrespective of any peculiar conditions attached to his business situation. If my employer had cut my salary at ten days' notice. I could have sued him, and won. But when the Minister of Health cut the remuneration of thousands of pharmacists in 1961, nobody had guts enough to sue, and it is doubtful what the outcome would have been if one had. And that is the sort of contract Mr. Prince wants to force on all of us! No doubt I shall be told that consideration of the customer is paramount. But consideration of one's colleagues and one's profession is of equal importance. I still believe that, if all the private chemists had stood firm in 1961 (never mind what the multiples did), and refused to operate the Health Service from the day the cuts were imposed, the cuts would never have been imposed. Instead, everybody stood back, waiting for the other man to move. What a spineless lot we were! Concerted action would have been to our ultimate good, and to the ultimate good of the public also. If Mr. Prince's idea is implemented, what is to become of the employee who, like myself, refuses to become a contractor? Are we to be deprived of our means of livelihood? If we are to be forced into a contract, then it is only elementary justice that we should have some say in the matter, and should be allowed to negotiate terms to suit our own circumstances.

JOSEPH SOAP

Careers in Wholesaling

SIR,—We need more men in the pharmaceutical profession with the training, knowledge and foresight of Mr. Kenneth Holland, M.P.S., D.B.A., whose article "A Career in Pharmaceutical Wholesaling" (C. & D., April 27, p. 453) I read with great interest and pleasure. I had the privilege of knowing Mr. Holland personally during the eleven years I worked in London and the Home Counties. Our careers have, in

fact, followed similar paths - several years in general practice, a number of years in the medical information departments of leading manufacturing companies, and presently as directors of well-known pharmaceutical wholesaling companies. I have no hesitation in endorsing the view expressed by Mr. Holland that managing a pharmaceutical wholesale establishment is one of the most satisfying and worth-while careers open to members of our profession. A pharmacist in wholesale practice has opportunities to handle, discuss and provide information on a greater variety of complex "ethicals than is possible anywhere else in the pharmaceutical profession, and I know of no better way of ensuring that a pharmacist exercises his professional training and previous practical experience to its fullest extent than to expose him to a daily bombardment of queries and friendly criticism from his colleagues in general and hospital practice. I agree with Mr. Holland that it is beyond belief that some wholesale distributors in parts of Great Britain do operate without the supervision of pharmacists, and I am glad to point out that, here in Northern Ireland, the law requires that every pharmaceutical wholesale house shall have a pharmacist on the staff at all times, as in general practice. The age of professional and scientific pharmacy has only just commenced, and I predict that it will not be long before it becomes obvious to everyone that future students of pharmacy will be required to undertake a six-year study course leading to an honours degree in pharmacy and covering such subjects as biology, chemistry, forensic pharmacy, pharmacology, physiology and therapeutics, in order to equip them to play their part in what is developing into one of the most technical and complex industries in the world today. Pharmacists must accept that their best future lies in becoming authorities on the chemistry, actions and uses of drugs and becoming accepted as such by their colleagues in the medical profession, otherwise all of us -doctors and pharmacists—are going to drown in a sea of drugs which eventually only a handful of research chemists, professors and consultants will have the knowledge to understand and use. There is, in my opinion, a tremendous future for the pharmaceutical profession, provided we select and train students of the highest possible calibre to the highest possible standard.

A. N. MORRISON, B.Sc. (Pharm.), M.P.S.N.I. Belfast, Northern Ireland

Action Wanted

SIR,—We know that the status of the pharmacist in the public eye is influenced by every individual pharmacist, and therefore we must first look to ourselves for our own salvation. However, having assumed that we will do our best in that direction, would it not be a good thing if the Council of the Pharmaceutical Society bestirred itself occasionally to some public utterance in our favour, or dashed into print in our de-fence when we are blackguarded by the Press or radio? S F. Brown,

Tonbridge, Kent



For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

C. & D. and Supermarkets

Those chemists who have expressed strong feelings at the acceptance by the C. & D. of an advertisement offering pharmacists employment or, it may be, floor area in supermarkets are rightly concerned at a trend which we, like they, regret. The question that arises is whether that feeling constitutes grounds for refusing to accept the particular advertisement. In considering that question it may be as well to look at the issues involved as they present themselves to the Publisher when he receives the booking and copy for the advertisement. He asks himself

- 1. Is the advertisement asking for anything or doing anything that is against the law? Here it must be said that it is perfectly legal, provided the requirements of the Pharmacy Acts are met, for anyone engaged in retail trade to engage, or advertise for, pharmacists, whether as employees of a corporate body or as tenants conducting their own pharmaceutical businesses on premises in or adjacent to a larger retail establishment. It is impossible to distinguish in this respect between a supermarket and a departmental store, a multiplepharmacy company, or even an individual person operating, or intending to operate, a pharmacy department. Advertisements in the last three categories have been accepted by this and other pharmaceutical papers for years—in fact since the "widow's clause" took effect and "accepted" at least tacitly by the pharmaceutical public at large.
- 2. Would it be wise (or even successful) to suppress the advertisement? It certainly would not be successful, since the advertisement could easily be placed in its present form in any organ of the national Press and would be seen there by pharmacists as well as other readers, who might thereby be given a false picture of the relationship of pharmacy to the supermarkets. In another form—namely, under a box number and with no clue given to the applicant as to whose advertisement he was replying to, it would, it is virtually certain, attract replies from many pharmacists who would not dream of applying for a post in a supermarket. To be fair to the advertiser, he has come into the open and not tried to infiltrate into pharmacy by subterfuges or concealment of his purposes. Whether the pharmacist applies is therefore entirely a decision for him, taken with his eyes open (and we might quote the old saying "In vain is the net spread in the sight of any bird).'

3. Is any harm done to the practice of pharmacy by accepting the advertisement? There is undoubtedly a threat to pharmacy in the development of supermarkets, but it is in the trading methods themselves and not in the advertisements in which they advertise for staff or tenants. Such an advertisement may well, in fact, provide the independent chemist with the clearest—and earliest—picture of the competition he may have to meet in the future, and in consequence the maximum opportunity of taking steps to meet it.

We have indicated the reactions to those questions of our Publisher. We are in substantial agreement with them while reserving our full freedom of comment on the professional implications of supermarket trading, just as we reserve those rights of comment in respect of all other advertisements.

Speaking editorially, there is another aspect. To reject an advertisement because it is another at a proportion, even an overwhelming proportion, of our readers would have its other side in implying that we had examined all other advertisements and given them our approval. That is not the case. Our independence of comment, which we prize and jealously guard, is only maintained by an insistence that, so long as the advertisements are lawful and not against the public interest, they appear in our columns without the slightest degree of either editorial approval or disapproval.

We are not so sanguine as to expect instant acceptance of these views in a matter on which, quite rightly, our readers have strong feelings, but we hope they will see that they represent a tenable viewpoint based on defined principles and aimed, we do assure them, at making the maximum contribution possible to the long-term welfare of our readership in pharmacy. If the advertisement has put them on the alert, surely no disservice has been done to pharmacy.

Why an Indictment Failed

For the want of a word a series of Dangerous Drugs Act Application Orders have been adjudicated null and void. That situation has arisen as a result of the decision in Regina v. Bernstein and others, a case brought before the recorder at the Central Criminal Court, London, on April 23 (see C. &. D., May 4, p. 473). Parliament, when it approved the Dangerous Drugs Act, 1951, conferred upon the Monarch the power to declare, by Order in Council, that part III of the Act should be applied to a substance "productive, if improperly used, of ill effects substantially of the same character or nature as, or analogous to, those produced by morphine or cocaine, or is capable of being converted into a substance which is, or is likely to be, productive if improperly used of such effects."

That wording is repeated in full in the Dangerous Drugs (Application Order) Act, 1954, but in the 1955 Order, controlling a compound mentioned in the indictment, the word "ill" was omitted, and similar orders issued since that time have also lacked that adjective. It was therefore argued before the recorder that those who had advised the Crown had failed to apply the correct tests when determining whether the compound should be controlled. That view was upheld by the recorder, who quashed the indictment.

Whilst one must congratulate the learned counsel and those who assisted him on having spotted the error, sympathy rather than criticism should be directed to those who prepared the 1955 Order and subsequent Orders. In the torrential stream of Government legislation by Ministerial Orders, it is not surprising that isolated mistakes occur. The promptly prepared Dangerous Drugs Act, 1951 (Application) Order, 1963 (H.M. Stationery Office, price eightpence), effective from May 9, remedies the omissions and ensures that there are no gaps in the control of narcotic drugs.

Overseas Trade in March

EXPORTS of United Kingdom medicinal and pharmaceutical products had their best month in March since October 1962. But at £4,564,013 their value was some £460,000 less than in March 1962. The total for the first quarter of the year at a little over £13 millions is trailing the equivalent 1962 quarter by £600,000.

Most of the items which go to make up the March total and also some pharmaceutical chemicals (excluded from the total), are given in the accompanying table.

Shipments to Australia which have been steadily falling during the year continued to decline in March. At £266,063 they were less than half the value of March 1962. Nigeria with £283,659 proved to be the largest single market followed after Australia by the Irish Republic with £255,686. Other countries with totals over £200,000 were: New Zealand, £211,773; South Africa, £217,984 and the United States, £209,702. Exports to Finland together with four of the European Free Trade Association members totalled £359,250 and to those in the European Economic Community they totalled £487,934.

PHARMACEUTICAL PRODUCTS—EXPORTS

					£
Sera and vaccines					169,360
Vitamins					76,482
Antibiotics	* * *				
Penicillin injection:	s				73,766
tablets, ointment	ts, etc.				101,770
other					353,742
Alkaloids					22,995
Aspirin					63,691
Antihistamines					46,276
Antipaludics					41,046
Barbiturates					37,831
Hormones					107,723
Glycosides					4,923
Ointments, liniments	*				126,071
	glands,	etc.*			7,080
Sulphonamides					57,944
Proprietary medicine	s*				1,290,655
Unclassified medicine					837,959
					,
PE	IARMACEU	UTICAL:	s in B	ULK	
Vitamins		•••			77,885
Penicillin		• • •			129,288
Antibiotics other tha	an penio	cillin			169,443
Alkaloids					110,167
Hormones					80,974
Glycosides					5,525
Organo therapeutic	glands				11,325
Aspirin					41,093
Barbiturates					15,658
Sulphonamides			2		123,964
Glycerin					29,437
Citric acid					82,913
		TD.		- \	
PHARMA	CEUTICAL	L PROI	OUCTS-	-IMPOR	
Vitamins		***	* * *		66,510
Antibiotics					168,550
Alkaloids	***				65,160
Glycosides, glands,	sera, va	ccines	• • •		22,074
Medicines (including					164,320
All other	***		• • •		85,310

^{*} Not elsewhere specified.

Drug Share Movements

A review of the January to March quarter

THE recent Budget having failed to impress market operators because tax reliefs fell short of expectations, subsequent interest in equities has been selective, and the general tone rather dull. A number of shares of companies in the pharmaceutical and allied industries, however, recorded useful gains. During the past few weeks Eucryl have risen from 14s, 9d, to 17s, 6d, following the issue of the company's 1962 results. Macarthys Pharmaceuticals were in fair demand, and added about ninepence. Fryer & Co., Nelson, improved threepence to 24s. 3d., changing hands at up to 24s. 6d. Aspro-Nicholas were a similar amount better at 15s. 6d. A good demand developed for Glaxo Group on the announcement that the interim dividend is being raised from an equivalent 6 per cent. to $6\frac{1}{2}$ per cent, in respect of the year ending June 30. Latest interim dividend is on a capital increased by a scrip issue and certain acquisitions. At 45s. 9d. the shares were up by

Barclay & Sons were maintained at 3s, 3d., and bought at 3s, 3\frac{1}{4}d., while Hodders were unchanged at 3s, and dealt in up to 3s, 1d. Despite a rise in group profit to £3,006,938 (£2,694,018) in respect of the year to December 29, 1962, and a raising of the dividend to 12\frac{1}{2} per cent., Smith & Nephew fell back a few pence to around 14s, 9d, Reckitt & Colman were in steady demand on investment account, but a little profit-taking developed that lowered them one shilling to 33s. Boots Pure Drug also turned easier; compared with two months ago they show, at 25s, 9d., a loss of 1s, 9d.

The dropping of the $2\frac{1}{2}$ per cent, bonus (dividend in respect of 1962 is maintained at $12\frac{1}{2}$ per cent.) and the profits setback (net, pre-tax, £15,052, against £19,976) caused Potter & Clarke to lose ninepence at 2s. 6d., ex dividend. The announcement by The British Drug Houses of lower profits brought in sellers despite maintenance of the dividend at 16 per cent, for the year. The shares were marked down 1s. 3d. to 13s. 3d. News that pre-tax profits of Three Hands for the trading year were expected to drop to about £50,000 (though the directors intend to maintain the year's distribution on the Ordinary shares at 15 per cent.) caused those shares to recede to 10s. 3d. after touching 11s. 9d.

Dixor added threepence at 1s. 3d., at which price they were bought, while Yardleys "A" were firm at around 41s. and British Alkaloids dealt in up to 8s. 3d. immediately after the company results were made known.

On the Dublin Stock Exchange P. C. Cahill advanced one shilling to 60s., but James Crean & Sons (1936) were steady around 12s. Pre-tax profits of May Roberts (Ireland) for the year ended January 31 jumped smartly by £7,390 from last year's £57,376. The dividend is being maintained at 20 per cent. Those shares were a prominent feature, with a rise of 2s. $7\frac{1}{2}d$. to 72s. $7\frac{1}{2}d$. Cockburn & Co. were unchanged at 20s, in Glasgow.

ECHOES OF THE PAST

OINTMENTS USED BY WITCHES

From "An Examen of Witches" by Henry Boguet. Lyons, 1590.

THERE are unguents and ointments which witches make, if they have not already been given to them by Satan; and of these there are several kinds. An Italian author, in his "Natural Magic," has described the composition of some of them; but these ointments are for the most part made of the fat of little children whom the Devil has instigated witches to murder. The witches anoint themselves with it when they go to the Sabbat, or when they change themselves into wolves; but I do not see that these ointments can have any other effect in such cases than to deaden and stupefy the witches' senses so that Satan may the more easily have his will of them. At other times also the Evil Spirit mixes with it some ingredient which causes deep sleep, such as mandragora or the Memphite stone and such things.

Spring Thoughts on LEATHERJACKETS

TIMELY INFORMATION FOR AGRICULTURAL CHEMISTS

By A. E. Moss

THE silence of the spring of 1963 is certainly due less to the sales efforts of the chemical industry than to an exceptionally severe winter. If it would seem that Rachel Carson's awful predictions have come home to roost, it is only necessary to remember the plagues of pigeons stripping kale and clover last December and the hundreds of thousands shot (at considerable expense) without making any noticeable inroads into their numbers. By mid-January both kale and pigeons were dead in the snow, killed not by man's hand but by cold.

Twelve months ago the sight of a flock of crows picking over an arable field was almost diagnostic of heavy infestation with leatherjackets. Was it through instinct or experience that they knew just where to search, turning over the bits of old turf, particularly in the damp hollows? This year you are likely to have to search for leatherjackets without the help of crows, for you will be lucky to find one where, last year, there would have been scores. But the grub itself should not be difficult to find in field ploughed out of grass within the past six months; just emulate the crows.

Extent of the Problem

Leatheriackets are the larvæ of crane flies (daddy-longlegs), which lay their eggs in turf in the early autumn; 1962 saw a veritable plague of crane flies, and entomologists doing field counts in early winter were only mildly surprised to find an all-time record number of tiny larvæ. When the long winter came to an end it was found that their numbers had been reduced but little, and their size had increased quite a lot. Dark earth-brown and segmented, from $\frac{1}{2}$ to $1\frac{1}{2}$ in. long, with a tough cuticle that fully justifies their name, the larvæ will continue to feed and grow throughout the spring, devastating peas, cereals, sugar beet and other crops, as well as weeds, with voracious impartiality, until they pupate during the summer. There are three different common species of leatherjackets in Britain, and their pupation times vary from June to August; those devotees to one-upmanship who would distinguish the varieties may take a hand lens and J. H. Stapley's "Pest of Farm Crops." They will be disappointed if they expect an illustration of a leatherjacket, but will find revealed to themselves instead pictures, highly magnified, of leatherjackets' posterior parts. It seems that one can predict pupation times by the shape of their back ends. From the pupa, after about two weeks, there emerges the crane fly, or daddylonglegs; last summer there were no wasps to eat the crane flies, so they laid their eggs in the long grass, in the roots of which their larvæ are still to be found.

In grassland before ploughing it is a useful exercise to determine the leatherjacket population. A few sheets of polythene, each about 16-in. sq. with a 12-in. sq. cut-out, are scattered at random about the field, and the grass in the 12-in. squares close-cut (sheep hand-shears are ideal). The occupants of the territory below are then persuaded to surface by the use of an emulsion known as St. Ives exterminator:

Ortho-dichlorbenzene 100 fl. oz. 10 per cent, sodium oleate solution 30 fl. oz. Jeyes' fluid 30 fl. oz.

That is diluted 1 fl. oz. per gall. of water and applied at 1 pint per sq. ft. Some use a mixture of Jeyes' fluid, \(\frac{1}{4}\) fl. oz., with Premex leatherjacket killer, 1 fl. oz., in 1 gall. of water, possibly on account of the quiet humour of the label: "Apply the diluted leatherjacket killer at 1 gall. per sq. yd. Sweep up and burn the leatherjackets when they come to the surface." It might be a Herculean task to exterminate the product, but to estimate populations in this way is simple. An average bag of, say, 2 per sq. ft., indicating

levels of around 100,000 per acre, would justify a tentative forecast of severe crop damage; counts of over 3 million have been recorded this season (it works out at about 100 larvæ per sugar-beet seedling).

Paris green — copper acetoarsenite — is the traditional remedy for both-leatherjackets and slugs; it is unpleasant to handle and very toxic to birds and mammals, but devotees of Rachel Carson will prefer it to the "insidious" poisons, which are those that happen to have been discovered in more recent years. Paris green is mixed with previously moistened bran, 1 lb. in 28 lb., and broadcast at the rate of 28-56 lb. of mixture per acre, according to the severity of the infestation. Alternatively any of the newer chlorinated hydrocarbon insecticides may be used in the same way. BHC, for example, which should be avoided where potatoes are likely to be planted within eighteen months, because of the risk of taint; or DDT, which, however, is somewhat toxic to certain varieties of Scandinavian barley (Rika, Freja, Spratt and others); or aldrin, one of the most effective and one of the more costly of soil insecticides, which happens to be more dangerous to those birds which are all too likely to eat the poisoned insects when they rise to the surface. In most circumstances the new ICI "col" 80 per cent, formulation of BHC-Gammacol-will be found convenient, elegant and inexpensive for either baiting or low-volume spraying; the maker's recommendations for 5 fl. oz, per acre would cost the consumer from 6s, to 6s. 6d. per acre, which might well be less than the labour and overhead costs of application; better, then, to allow a greater margin of efficacy by increasing the dosage rate to 8-10 fl. oz. per acre, which is more in line with current Ministry recomendations. There seems to be some divergence of opinion as to the need, when applying the insecticide from a low-volume sprayer, of following up with harrows. As leatherjackets can remain out of sight for long periods when weather conditions are cold, it would seem desirable to take some steps to incorporate the chemical into the top inch of soil.

The Work of Slugs

Many crops of winter wheat, after grass, bear heavy leatherjacket populations and yet show no signs of damage; other similar crops have been almost entirely taken. The answer to the puzzle may in part lie with slugs which, too, have been active during the past 4-6 weeks. Slugs causing crop damage on an agricultural scale are likely to be one or both of the two common underground varieties, which may be difficult to find during the daytime. The enthusiast will return at night with a torch, but the cunning will scatter metaldehyde bait over marked squares and return the following day. It should, however, be possible to identify slug damage by the symptoms alone, plants showing typical ragged edged lesions to the stems, rasping of leaves and, frequently, doubling-over of the leaves where the slugs have dragged the tips below the surface of the Winter-sown crops should, by now, be safe from further serious depredations from slugs, but spring-sown cereals and sugar beet may, this year, suffer serious damage.

Because slugs may recover from metaldehyde, which is the basis of most commercial slug baits, under moist cool conditions Paris green is likely to be the best choice in the winter months; the same mix as for leatherjackets may be used, though it is an advantage to add about $\frac{1}{4}$ lb. of metaldehyde to each 28 lb. of bait, as that tends to keep the slugs on top, so that the farmer can see what has been achieved. For the drier and warmer months of April onwards, $\frac{1}{2}$ lb. of metaldehyde in 28 lb. of bran gives good results. The cost to the farmer—about 6s, 6d, for the metal-

dehyde plus about 7s, for the bran—compares favourably with that of the commercially available suspensions for lowvolume spraying (Slugit liquid costs 50s, per acre).

It must not be assumed that, because leatherjackets and wireworms are likely to cause damage in crops after grass, that one of them must be responsible when trouble is reported in those circumstances; nor that it is slugs because the weather suits them. All or none may be the cause of crop losses at this time of the year. Rustie moth, for example, which causes damage to wheat and barley, seems to be on the increase. Nor can it be assumed that experi-

enced farmers know what to look for when troubled with pest damage, for it is surprising how seldom they bother to get down on hands and knees with a hand lens. There can seldom be reliable diagnosis over the telephone, and the pharmacist who wants to improve his agricultural business can do far worse than offer to go out and investigate when problems are brought to him. If he finds that he cannot sort it out in the field, there are always National Agricultural Advisory Service officers and area entomologists, who are generally not only knowledgeable but ready with assistance, to whom to turn.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Council and annual meetings

THE quarterly meeting of council of the Proprietary Articles Trade Association was held in London on April 18, the president (Mr. L. D. Smith) in the chair. A letter of resignation was received from Mr. G. S. Woolley on his retirement from the board of Woolley & Arnfield, Ltd. Mr. Woolley had represented his company on the wholesale section since 1959 and the Council placed on record their appreciation of his services. Mr. F. W. Griffin (nominated to represent the company in Mr. Woolley's place) was

unable to be present.

THE SECRETARY reported that, during the previous quarter more than 300 calls had been made on price-cutting traders, and fifty-five letters sent at the request of the manufacturer members concerned. Those representations had resulted in a noticeably higher proportion of promises to adjust prices. It was formally reported that, since the previous meeting, two injunctions had been granted by the High Court against J. Mindel, Ltd.—in January to the Phillips, Scott & Turner Co. (a division of Winthrop Group, Ltd.) and in February to Thomas Marns, Ltd. In both cases the defendants had been ordered to pay costs. In January, too, the Phillips, Scott & Turner Co. had been granted an interlocutory injunction against China Craft (South Shields), Ltd.

The Council received and endorsed the recommendations of the publications subcommittee and executive committee to publish a Year-book in 1963 under the title "P.A.T.A. Handbook and List." The subcommittee was considering suggestions as to format

and layout.

Guests at Luncheon

At a luncheon before the Council meeting the principal guest was the president of the Pharmaceutical president of the Pharmaceutical Society (Miss M. A. Burr). Also present were the Society's secretary and registrar (Mr. F. W. Adams), the Editor, Pharmaceutical Journal (Mr. R. Blyth) and the secretary, Proprietary Association of Great Britain (Mr. Gordon Hollis), Proposing "The Gordon Hollis). Proposing "The Guests," THE PRESIDENT said Miss Burr was welcome because of her personal charm and for the outstanding qualities that had distinguished her in the presidential and other offices she had held. Miss Burr was the owner of two pharmacies in the Nottingham area "which we have read (and can well believe) are characterised by high standards of practice and could serve as models of what retail pharmaceutical establishments should be."

Acknowledging the chairman's welcome, Miss Burr said she brought greetings from the council of the Pharmaceutical Society. Mr. Adams said the Pharmaceutical Society followed the Association's activities closely.

Annual Meeting

The sixty-seventh annual meeting of the Association was held in London the same day. Moving adoption of the annual report, THE PRESIDENT said: "Six years ago I performed a similar function. That annual meeting in 1957 was held within a few months of the coming into force of the Restrictive Trade Practices Act, 1956, which revolutionised the price-maintenance system under which the P.A.T.A. had operated for sixty years, and before sufficient time had elapsed for the Council to assess the impact of the statutory remedy against price cutting given to individual manufacturer members of the Association by Secmanufacturer tion 25 of the Act. Experience over the succeeding years has shown that the forecast I then made (that the deterrent effect of Section 25 would be an important factor in future dealing with price-cutters) was justified.

It was a good thing, said the president, to remind members of the fact that the P.A.T.A. was now the only organisation in this country representing the three sections of the pharmaceutical and allied trade - manufacturers, wholesalers and retail chemists—and that the Association's objects" were framed in the com-

mon interests of all three.

Although, in 1962, 225 manufacturers had authorised the inclusion of some or all of their proprietaries in the P.A.T.A. list, there was considerable room for expansion in the section and the council asked members of all sections to do all they could to bring home to as many eligible non-member proprietary manufacturers as possible the advantages of being within the fold of the P.A.T.A. The strength of the wholesale section and affiliated wholesale-member group left room for expansion and the membership of the retail section was maintained at approximately 11,000.

The report on the Association's price-maintenance work during 1962 should convince retail members, to whom price maintenance of proprietary goods was so important that the manufacturers, assisted by the Association, had been vigilant and active in upholding the system which manufacturer, wholesale and retail chemists regarded as essential to their wellbeing.

Withdrawal from P.A.T.A. List

The council of the Association has issued a statement to the effect that Chesebrough-Pond's, Ltd., Victoria Road, London, N.W.10, members of the manufacturers' section, have withdrawn from the Association's list of proprietary articles their specialities Vaseline hair tonic, hair cream, petroleum jelly, shampoos, and hand cream; Pond's vanishing and cold creams, moisturising foundation cream, dry skin cream, flowing cold cream, dreamflower talc, skin freshener, freshener pads, lipstick and extract; and Angel Face eye make-up.

Chesebrough-Pond's, Ltd., have informed the Council that their reason for withdrawing those preparations from the list is the disadvantageous position in which the company is placed through the extensive price-cutting of products of a similar class marketed by competitors to whom pricemaintenance conditions do not apply. The Council regret the decision, the effect of which is that the following preparations only will remain in the list: Angel Face cream powder, lip-stick and liquid make-up; and Pond's

face powder.

MANUFACTURERS' ACTIVITIES

"Ivory Castle" Exhibit .- One of the attractions at a Boys' and Girls' Exhibition held in Birmingham recently was a stand showing the activities of the Ivory Castle club by a Son et Lumière technique focusing in turn on display alcoves. Nearly 7,000 enrolments were made on the spot.

Kit for Cricketers. — Smith Nephew, Ltd., Bessemer Road, Wel-



wyn Garden City, Herts, have presented to the West Indies cricket team a first-aid kit.

STUDENTS' ASSOCIATION GLASGOW CONFERENCE

(Concluded from The Chemist and Druggist, May 4, p. 486)

MR. R. Thomas reported on the Ucal football cup competition, and presented a revised set of rules and regulations for ratification by the Conference. They were approved (with amendments). Under the new rules colleges competing must, among other things, have an individual membership of the Association not less than 60 per cent.; when using an F.A. referee must register with the appropriate county football association, and any college failing to play matches by the stated date will, at the discretion of the Ucal cup secretary, be eliminated from the competition.

MR, BIRCHALL proposed that only individual B.P.S.A. members currently at the college should be eligible to play

(carried).

THE PRESIDENT ruled that only colleges with 60 per cent. B.P.S.A, membership that day (April 11) were eligible. The ruling was upheld, a dramatic last-minute attempt by the Sunderland delegate (Mr. S. Kassamali) to guarantee the additional necessary members for his college having failed.

Report on Liberal Studies

MR. ALAN SANDERS, Chelsea, presented a "Report on Liberal Studies," prepared because of a resolution passed by the 1962 conference. Of the schools replying, the general feeling had been that, within the current syllabus, there was small chance of increas-ing the time devoted to liberal studies (where they existed) and that colleges without such courses had no intention of starting them. Four had replied that liberal studies courses were neither wanted nor needed, and four were in favour but could/would not introduce them because of lack of space or time. Mr. Sanders felt that present courses were like an "open, one-ended tube"; all the new advances were being pushed to one end (especially in microbiology, pharmacology and general pharmaceutics), with nothing removed from the other end. Until the pharmacy course had been radically revised, full-scale liberal study courses in pharmacy schools were most unlikely to be initiated. The report was discussed and accepted, THE PRESIDENT congratulating Mr. Sanders on its preparation.

The following (amended) resolution from Chelsea was proposed by MR.

SANDERS:

THAT the present courses in pharmacy be streamlined to bring them into line with modern trends in the profession.

The motion was voted on and carried.

MR. A. HALL, Cardiff, next proposed that next year's Executive should carry out a survey into the variation of degree courses in the United Kingdom, with a view to circulating the findings amongst all interested professional bodies (carried).

MR. KASSAMALI, Sunderland, proposed that the Pharmaceutical Society of Great Britain should be asked to refund to students wishing to withdraw from the examinations within a set date after the last date of entry the whole or part of examination fees paid (carried).

MR. BURDEN, objecting, said it seemed to him that people who wanted to take both Ph.C. and B.Pharm, examinations were pursuing a dangerous course, and that it was a little unfair to ask that the Pharmaceutical Society and the Senate should insure against their failure. He was in favour, however, of submitting the resolution to the Pharmaceutical Society "to determine their attitude, and perhaps define the situation more clearly."

MR. C. NICHOLSON, Leicester, proposed that a detailed survey should be prepared of the openings available for students qualifying in pharmacy, and the requirements in each case, and circulated amongst students (carried).

MR. M. E. SOWTER, Chelsea, proposed a survey into student pharmacy in Great Britain with a view to promoting interest in the profession with

secondary schools (carried).

MR. SOWTER believed that, for many students, pharmacy offered only a second choice, and that the results of such a survey might favourably influence careers masters.

MISS A. COATES, "the Square," saw

MISS A. COATES, "the Square," saw no value in increased recruitment into pharmacy. Already there were not enough places in the schools. MR. R. J. SUMMERS, "the Square,": "It's not that we want more places, but the right sort of student."

MR. D. J. PATERNOSTER pointed out that one of the prime factors in the imminent closure of the pharmacy school at Plymouth was that the department had not been able to attract sufficient numbers of pharmacy students in the past few years.

MR. BURDEN, Leicester, proposed that a careful watch should be kept on student grants, so as to avoid adding financial hardship to the other problems of student life (carried). He thought it wrong that there should be discrimination in the value of grants awarded to Ph.C., and degree students. He was "not an advocate of profligacy," but considered that students should be able to expect a reasonable living standard.

A private member's motion, proposed by MR. ACKERS, that the Association welcomed the new entrance regulations of the Pharmaceutical Society (see C. & D., February 16, p. 175) was, after discussion, surprisingly defeated. Mr. Ackers felt that the Society had

Mr. Ackers felt that the Society had acted wisely, particularly with regard to the introduction of mathematics as an acceptable A-level subject. Mr. Douglas, on the other hand, regarded it as "highly regrettable"; the course was already "crammed" and it was far preferable to have a better knowledge of biological subjects.

MR. THOMAS also felt that A-level biology was essential; MISS J. WELLS, "the Square," pointed out the usefulness of advance mathematics to the study of statistics and physical chemistry, "which so many people find difficult." MR. EASON insisted, however, that pharmacy was a biological science. Mathematics was not regarded as necessary in medicine.

MR. BURDEN: What we want is to make people think of pharmacy as something different from medicine."

MR. EASON proposed that delegation leaders coming from colleges might be mandated to place a number of votes for and a number of votes against a pre-circulated motion. He believed that that would produce a truer picture.

MR. BURDEN suggested that that motion should be left on the table to enable full college discussion before the next Conference, and that was agreed.

Election of Officers

Executive officers elected for the year were:—President: Roger Evans, Chelsea; General Secretary: Chris. Nicholson, Leicester; Treasurer: Jim Douglas, Cardiff; I.P.S.F. Liaison Secretary: Jane Turpin, Chelsea; Welsh Representative: Alun Hall, Cardiff; Seottish Representative: Charles Michie, Aberdeen; other members: Jim Green, Glasgow, and Martyn Cooke, "the Square." Miss Jane Turpin was elected delegate to the I.P.S.F. congress. Honorary life membership was conferred upon Malcolm Hurrle ("a very reasonable president"), Peter Hughes and Stanley Ackers.





Left: New Executive officers (back row, left to right) Jim Douglas, Charles Michie, Alun Hall, Martyn Cooke, Jim Green; (front row) Roger Evans, Jane Turpin and Chris, Nicholson. Right: Delegates en masse.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 535.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

ARTOSIN ampoules

Manufacturer: Riker Laboratories, Morley Street, Loughborough, Leics,

DESCRIPTION: Aqueous solution containing 50 mgm. per mil of tolbutamide as its sodium salt. Diagnostic agent.

INDICATIONS: Diagnosis of diabetes mellitus and islet cell adenoma.

METHOD OF USE: See manufacturer's literature.

How Supplied: In pack of five 20-mil ampoules.

SUPPLY RESTRICTIONS: P.I, S.4B. First Issued: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

DEGRANOL tablets

Manufacturer: Berk Pharmaceuticals, Ltd., 8 Baker Street, London, W.1.

Description: Yellow enteric-coated tablets each containing 50 mgm, of mannomustine dihydrochloride. Cytostatic agent.

Indications: Cancer chemotherapy; Hodgkin's disease; leukæmias; as an adjuvant to surgery.

Dosage: Routine therapy, two tablets on alternate days to a total maximum dosage 1,500 to 2,000 mgm. Maintenance therapy, two or three tablets a week.

SIDE EFFECTS: Nausea, vomiting, hæmopoietic depression.

How Supplied: In bottles of fifty and 250.

SUPPLY RESTRICTIONS: P.I, S.1, S.4a.

FIRST ISSUED: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

ROBAXISAL-FORTE tablets

Manufacturer: A. H. Robins Co., Ltd., Horsham, Sussex.

DESCRIPTION: Pink and white laminated two-layer tablets each containing 400 mgm. of methocarbamol and 325 mgm. of acetylsalicylic acid. Skeletal muscle relaxant and analgesic.

INDICATIONS: Painful skeletal muscle spasm; traumatic back injuries; myositis; pain and spasm associated with arthritis.

Dosage: Two tablets four times a day. Three tablets four times a day may be taken in severe conditions for one to three days by patients able to tolerate salicylate. *Children*, dosage should be adjustated individually (from 27 mgm. to 33.5 mgm. of methocarbamol per lb. of body weight, divided into four to six doses a day).

Notes: The administration of methocarbamol with aspirin is stated to result in plasma salicylate levels 50 per cent. higher than when aspirin is given alone.

SIDE EFFECTS: Occasional light-headedness, dizziness and mild nausea in sensitive patients, the symptoms usually disappearing on reduction of dosage.

How Supplied: In bottles of 100 and 500.

SUPPLY RESTRICTIONS: P.I, S.4B. FIRST ISSUED: April 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

THIODRIL nasal spray

Manufacturer: Berk Pharmaceuticals, Ltd., 8 Baker Street, London, W.1.

DESCRIPTION: Nasal spray containing colourless, odourless 2 per cent, solution of S-carboxymethylcysteine. Nasal decongestant.

INDICATIONS: Chronic and subacute affections of the upper respiratory tract, especially chronic rhinitis.

METHOD OF Use: Adults, four instillations daily into each nostril. Children, two to four instillations daily.

Notes: Solution supplied in two 10 mil ampoules, the contents of one ampoule to be placed in the spray bottle before use.

How Supplied: In two 10-mil ampoules together with plastic spray bottle.

SUPPLY RESTRICTIONS: Recommended on prescription only.

FIRST ISSUED: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

FUCIDIN V.P. capsules

Manufacturer: Leo Laboratories, Ltd., 15 Clipstone Street, London, W.1.

DESCRIPTION: Capsules, containing 167 mgm. of fusidic acid and 100 mgm, of penicillin V. Antibiotic.

INDICATIONS: Staphylococcal and mixed infections.

CONTRAINDICATIONS: Hepatic insufficiency, or obstructive jaundice. Any history of allergy to penicillins.

Dosage: Three capsules to be taken three times daily with meals.

SHELF LIFE: Two years, at cool temperatures.

How Supplied: In bottles of thirty and 250.

SUPPLY RESTRICTIONS: Therapeutic Substances Act (Part II).

First Issued: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

ORBENIN syrup

Manufacturer: Beecham Research Laboratories, Ltd., Great West Road, Brentford, Middlesex.

DESCRIPTION: Bottles containing dry powder for preparing 60 mils aqueous solution of sodium cloxacillin. When reconstituted each 5 mils contains 125 mgm. of sodium cloxacillin. Antibiotic.

INDICATIONS: Resistant, or suspected resistant, staphylococcal infections such as septicæmia, osteomyelitis, endocarditis, pneumonia, staphylococcal disease complicating diabetes mellitis. Mixed Gram-positive infections such as infected burns.

CONTRAINDICATIONS: Penicillin allergy.

Dosage: Adults, four teaspoonfuls every six hours. Children (2-10 years), two teaspoonfuls every six hours. Infants (under 2 years), one teaspoonful every six hours.

Side Effects: As for penicillins G and V.

SHELF LIFE: Expiry date of dry powder is eighteen months and syrup (when dispensed) seven days.

STORAGE: Bottles of powder should be kept tightly closed and in a cool place.

How Supplied: In bottle containing sufficient powder for preparing 60 mils of aqueous solution.

SUPPLY RESTRICTIONS: Therapeutic Substances Act (Part II). First Issued: April 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

TRESCAZIDE tablets

MANUFACTURER: May & Baker, Ltd., Dagenham Essex. DISTRIBUTOR: Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex.

DESCRIPTION: Sugar-coated, buff-coloured tablets, each containing 125 mgm. of ethionamide and 75 mgm. of isoniazid.

INDICATIONS: Treatment of pulmonary and other forms of tuberculosis in patients whose organisms are sensitive to ethionamide and isoniazid.

Dosage: Should be administered orally during or immediately after a meal. Adults, four tablets daily either as a single dose at night or sub-divided into two tablets morning and evening. For drug resistant pulmonary disease, the recommended dosage is three tablets, morning and evening, given in association with one or two other drugs selected according to the resistance pattern of the patient's organisms.

SIDE EFFECTS: Gastro-intestinal disturbances, headaches, drug rash and slight deafness have been reported with ethionamide; also intermittent mental depression and a pellagra-like syndrome which can be treated by the administration of an oral vitamin B complex preparation. Side-effects due to the isoniazid should be borne in mind.

How Supplied: In containers of 100 or 500.

SUPPLY RESTRICTIONS: Therapeutic Substances Act (Part II).

First Issued: April 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

ASILONE-50 tablets

Manufacturer: Berk Pharmaceuticals, Ltd., 8 Baker Street, London, W.1.

DESCRIPTION: Round, white embossed tablets packed in printed foil. Each tablet contains 50 mgm. of polymethylsiloxane and 400 mgm. of aluminium hydrochloride in a sweetened absorbent base.

INDICATIONS: Flatulence, hyperacidity, dyspepsia and the prevention of recurrent gastric or duodenal ulceration.

Dosage: Adults, one or two tablets daily, as a maintenance dose; for children, a pædiatric form is availab e.

How Supplied: In box of twenty foil-wrapped tablets and dispensing pack of 100.

SUPPLY RESTRICTIONS: Recommended on prescription only. First 1ssued: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

DONNATAL L.A. tablets

MANUFACTURER: A. H. Robins Co., Ltd., Foundry Lane, Horsham, Sussex.

Description: Green sustained-release tablets each containing 0.3111 mgm. of hyoscyamine sulphate, 0.0582 mgm. of atropine sulphate, 0.0195 mgm. of hyoscine hydrobromide and 48.6 mgm. of phenobarbitone.

INDICATIONS: As for Donnatal tablets and elixir.

Dosage: For day control, one tablet in the morning. For night control, one tablet in the evening. One morning and evening at twelve hour intervals for twenty-four hour control.

How Supplied: In bottles of 100 and 500.

SUPPLY RESTRICTIONS: P.1, S.4A. First Issued: October 1962.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

METHRAL ointment

Manufacturer: Pfizer, Ltd., Sandwich, Kent.

DESCRIPTION: Ointment containing 0·1 per cent. fluperolone acetate, in either greasy or non-greasy base. Anti-inflammatory and anti-pruritic.

INDICATIONS: Non-infected dermatological conditions susceptible to steroid therapy such as dermatitis and eczema of allergic atopic or contact origin; idiopathic pruritis, including pruritus ani and pruritus vulvæ.

CONTRAINDICATIONS: Lesions infected with bacteria or fungi, unless adequate and simultaneous anti-bacterial or antimycotic therapy is applied.

METHOD OF USE: Small quantity should be applied to the affected area three times a day until regression of lesions or disappearance of symptoms.

PRECAUTIONS: Not for ophthalmic use.

How Supplied: In tube of 10 gm.

SUPPLY RESTRICTIONS: Therapeutic Substances Act (Part II).

First 1ssued: April 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

VOLITAL tablets

Manufacturer: Laboratories for Applied Biology, Ltd., 91 Amhurst Park, London, N.16.

DESCRIPTION: Tablets each containing 20 mgm. of pemoline. Central nervous system stimulant.

INDICATIONS: Epilepsy complicated by lethargy and drowsiness (due either to drugs or to the disorder).

Dosage: One tablet daily to be taken in the morning. The daily dose may be increased to 40 mgm. of pemoline (one tablet in the morning and one in the afternoon) and, in certain cases to 60 mgm.

SIDE EFFECTS: Large doscs give rise to nervousness and tachycardia.

How Supplied: In vial of twenty-five and bottle of 500.

SUPPLY RESTRICTIONS: P.1., S.4B.

FIRST ISSUED: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

INAPASADE S.Q. granules

MANUFACTURER: T. J. Smith & Nephew, Ltd., Neptune Street, Hull, Yorks. DISTRIBUTOR: Smith & Nephew Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts.

DESCRIPTION: Pink "adegrate" granules, each packet of which provides 300 mgm. of isoniazid and 12 gm. of sodium PAS. Tuberculostatic.

INDICATIONS: Tuberculosis, especially in domiciliary treatment.

CONTRAINDICATIONS: As for PAS and isoniazid.

Dosage: One packet daily.

Precautions: As for PAS and isoniazid. How Supplied: In tin of thirty packets.

SUPPLY RESTRICTIONS: Therapeutic Substances Act (Part 11).

First Issued: April 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

LIPOTRIAD liquid

Manufacturer: Lewis Laboratories, Ltd., Knowsthorpe House, Knostrop Lane, Leeds, 9.

DESCRIPTION: Red liquid, each 5 mils of which contains 460 mgm. of tricholine citrate; 334 mgm. of inositol; 84 mgm. of dl-methionine; 5 microgm. of cyanocobalamin; 1 mgm. of thiamine hydrochloride; 1 mgm. of riboflavine; 10 mgm. niacinamide, 1 mgm. of pyridoxine hydrochloride; and 1 mgm. of panthenol.

INDICATIONS: Nutritional problems in the older patient; anorexia; difficulties in food assimilation. As a supplementary geripeutic for the aged patient.

Dosage: One teaspoonful (5 mils) three times a day, or three teaspoonfuls (15 mils) with the main meal of the day.

STORAGE: Keep in a cool place protected from light.

How Supplied: In bottles of 6 and 40 fl. oz.

FIRST 1SSUED: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Mcd.caments, May 11, 1963

VANDID oral solution

Manufacturer: Riker Laboratories, Morley Street, Loughborough, Leics.

DESCRIPTION: Vanillic acid diethylamide (50 mgm. per mil) as a 5 per cent. solution in 25 per cent. ethyl alcohol. Respiratory stimulant.

INDICATIONS: Neonatal asphyxia, cyanotic attacks as seen in premature infants, respiratory distress syndrome (hyaline membrane disease).

Dosage: Full-term infants, twelve drops (25 mgm.) Premature infants, six drops (12.5 mgm.).

PRECAUTIONS: Routine aspiration of the air passages should precede administration. Gasping respiration, irritability and muscle-twitching are symptoms of overdosage.

How Supplied: In dropper bottle of 5 mils.

SUPPLY RESTRICTIONS: Recommended on prescription only.

FIRST 1SSUED: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 11, 1963

AMENDMENTS

CALADRYL LOTION and CREAM: Now perfumed.

ENTACYL TABLETS: Now available in bottle of 100 only.

MEDICINAL TABLETS: Gr. 5 and gr. $7\frac{1}{2}$ tablets now available in pack of 100 only.

MILTOWN CAPSULES: Now replaced by 200-mgm, sugar-coated tablets.

PIXCYL H.C. OINTMENT: Now known as Cortipix ointment and available in ½ per cent. and 1 per cent. strengths.

SOFRACORT SKIN SPRAY: Aerosol container now incorporates a metering valve delivering about 400 measured applications.

SYNALAR OINTMENT and CREAM: Now available in tube of 30 gm.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 8: The scarcity of IPECACUANHA continued during the week with buying interest at around the levels last realised.

The prices of HONEY continued to move up, and dealers were confident that the peak has not yet been reached. Scarcity prices are causing some concern, because it is felt that some users may switch to cheaper substitutes and not return when stocks and prices become normal. CINNAMON QUILLS for shipment were dearer from twopence to sixpence per lb. according to grade. Portuguese Ergot was lower, although East European material was still not available. The flurry in GINGER noted in last week's report continued for a day or two; prices then became steady at around 5-10s, per cwt, above those previously mentioned. Brazilian MEN-THOL was firmer by 1s, per lb. and, as that was the second rise in three weeks, holders are hoping that prices are now on the way up to a more economic level.

Shipment quotations for Formosan CITRONELLA OIL were slashed to 12s. 3d. per lb., c.i.f., from 16s., thus all the gains made since its steady rise began in mid-January have been wiped out. Chinese PEPPERMINT was also sharply down at 9s. 9d. per lb., c.i.f. (from 11s.).

Pharmaceutical Chemicals

ALOIN. — Micro-crystalline, 14-lb. lots, 34s. per lb.

AMIDOPYRIN, — Per lb. 16s, 8d, for 5-cwt. lots; 1-cwt., 17s, 5d.

AMYLOBARBITONE. — B.P.C. is 76s. per kilo for less than 25-kilo lots and 71s. 6d. over 25 kilos. Sodium is 10s. per kilo more.

Arecoline.—Alkaloid, 51s. per oz.

ATROPINE. — Per oz. for 16-oz. lots: ALKALOID and METHONITRATE, 39s.; METHYLBROMIDE, 38s. 6d.; SULPHATE, 34s. (1,181s. for 1-kilo).

BARBITONE. — SODIUM derivative is 56s. 9d. per kilo less than 25-kilo lots.

Brucine. — Per oz. alkaloid is 5s. and sulphate, 4s.

BUTOBARBITONE. — B.P.C., 80s, per kilo for 25-kilo lots and over.

COCAINE. — 16-oz. lots hydrochloride, 91s. 6d. per oz.; alkaloid, 101s. per oz. Subject to D.D.A. Regulations.

Cyclobarbitone. — 25 kilos and over: B.P., 70s, 6d, per kilo. Calcium, 77s, 6d, per kilo.

Digoxin.—100-gm. lots, 68s. per gm.

Ergometrine.—Maleate, B.P., 144s. per gm. for 20-gm. lots; tartrate, 30s. per gm. for 100-gm. lots.

ERGOTOXINE. — ETHANESULPHONATE, 10-gm. lots, B.P. '32, 60s. per gm. B.P.C. '49, 72s. 6d.

GLYCEROPHOSPHATES.—Per lb. in 1 cwt. lots, 110s, per gm.; 100-gm., 105s, per gm. calcium, soluble, B.P.C., 12s.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d.; MANGANESE, B.P.C., 27s.; POTASSIUM, 50 per cent. B.P.C., 3s. 9d. and 75 per cent., 2s. 7d.; 75 per cent., 4s. 6d.; 100 per cent., 8s.

HEXAMINE.—B.P.. 1s. 6d. per lb. for 1-ton lots, delivered in 1-cwt. bags. Technical is 1s. 5d. per lb.

HEXOBARBITONE. — 25-kilo lots or over, 115s, per kilo.

Hydrogen Peroxide. — 27.5 per cent. (by weight), £115 per ton; 35 per cent. £138 in returnable carboys.

HYOSCINE HYDROBROMIDE.—Per oz. 102s. and per kilo, 3,419s.

METHYL PHENOBARBITONE, —B.P.C., 78s. per kilo for less than 25-kilo lots.

METHYL SALICYLATE. — Five-ton lots, 3s. 2d. per lb.; 1-ton, 3s. 2½d.; 10-cwt., 3s. 3d.; 5-cwt., 3s. 6d.; 1-cwt., 3s. 8d.

NARCOTINE.—ALKALOID and HYDROCHLORIDE, 5s. 8d. per oz. (200s. kilo) for under 35-oz. lots.

OPIATES. — Home trade prices (per oz.) subject to D.D.A. Regulations:—

		35 oz	and	Une	der
		ov	er	35	OZ.
CODEINE		· S.	d.	5.	d.
ALKALOID		54	0	55	0
HYDROCHLORIDE		47	3	48	3
PHOSPHATE		41	0	42	0
SULPHATE		47	3	48	3
MORPHINE	- 4				
ACETATE		50	0	51	0
ALKALOID		61	3	62	3
HYDROCHLORIDE		50	0	51	O
SULPHATE		50	0	51	0
TARTRATE		60	0	61	0
ETHYLMORPHINE					
ALKALOID		63	3	64	3
HYDROCHLORIDE		54	0	55	0
DIAMORPHINE					
ALKALOID		59	9	60	9
HYDROCHLORIDE		54	9	55	9

PARAFFINS.—Prices to wholesale distributors per gall.—Liquid: HEAVY, B.P., in drums, 8s. 8½d. to 8s. 9½d. as to quantity; over 500 gall. in bulk, 8s. 7½d. Light, B.P., drums, 7s. 1½d. to 7s. 2½d.; bulk, 7s. 0½d. Technical white: LIGHT, 6s. 6d. to 6s. 7d. and 6s. 3d. in bulk; MEDIUM, 7s. 7d. to 7s. 8d., bulk, 7s. 4½d. Drums charged and returnable. Soft: Best grades White, medium consistency, £116 15s. Det ton and soft consistency, £113 1/s. 6d. Yellow, £94 10s. Other grades (all B.P.) at £95, £100 10s., £106 per ton for white and at £74 17s. 6d. for yellow. All in non-returnable drums delivered.

PARAFORMALDEHYDE.—B.P.C. is 1s. 3d. per lb. for 1-ton lots; 1s. 5d. per lb. for 1-cwt.

Pentobarbitone. — 25-kilo lots and over are 107s, 6d. per kilo,

PETHIDINE HYDROCHLORIDE. — Subject to D.D.A. Regulations, 5-kilo lots, 300s. per kilo.

PHENOBARBITONE. — Spot rate 50-kilo lots, 47s. 6d. per kilo; less than 25-kilos, 50s. 6d. Sodium salt, 55s. 6d. per kilo for less than 25-kilo lots.

PHOLCODINE.—8-oz. lots, 95s. 9d. per oz. (3,377s. per kilo).)

PHTHALYL SULPHATHIAZOLE. — Five-kilo lots, 31s. per kilo.

PHYSOSTIGMINE. — ALKALOID, 408s. per oz. (for 4-oz. lots) and 14,110s. per kilo; SALICYLATE, 276s. oz. (9,454s. kilo); SULPHATE, 352s. oz. (12,134s. kilo).

Picrotoxin.—Per oz. 45s. 6d. (4-oz.).

SAL PRUNELLA.—Balls, 3s. 10d. per lb. in 1-cwt. lots.

STRYCHNINE. — 100-oz. lots; alkaloid, 11s. per oz.; sulphate and hydrochloride, 9s.

Succinyl sulphathiazole. — Five-kilo lots, 38s. 6d. per kilo.

SULPHACETAMIDE. — 50-kilo lots, 54s. per kilo; sodium, 66s. 2d.

SULPHADIAZINE.—Five-kilo lots, 65s. per kilo; 50 kilo lots, 60s.

Sulphadimidine. — 50-kilo lots are 40s. per kilo.

Sulphaguanidine.—100-kilo lots, about 19s. 6d. per kilo.

SULPHAMETHIAZOLE. — Per kilo.—5-kilo lots 100s.; 50-kilos, 95s.

SULPHANILAMIDE. — 50-kilo lots, 12s. 8d. per kilo.

SULPHAPYRIDINE. — Five-kilo lots, 120s. per kilo.

Sulphathiazole — 100-kilos, 32s. per kilo; 50 kilos, 33s.

Tartaric acid. — (In kegs): 1-ton lots, 275s. per cwt.; 5–19 cwt., 281s.; 1-4 cwt., 284s. Bags 8s. cwt. less. Crystals 7s. per cwt. more than powder and granular.

Terebene. — B.P.C., one-carboy lots, 4s. 5d. per lb.

d-Tubocurarine chloride. — 100-gm. lots, 60s. per gm.

Alcohol

British spirit (fermentation grades) per proof gall.:—

ETHYL ALCOHOL: (95 per cent. Gay LUSSAC, 66 o.p.): where the minimum delivery is 2,500 bulk gall. or over, 3s. 7d.; 1,500, 3s. 8d.; 500, 3s. 9d. Prices are exclusive of duty and are for tank wagon lots.

ABSOLUTE ALCOHOL, 95.5 per cent., 74.5 o.p., from 3s. 11d. to 4s. 1d. for same quantities: the special high strength (99.9 per cent., 75.2 o.p.), from 4s. 3d. to 4s. 8d. (in drums) for 1.000-40 gall. lots. Doubly rectified alcohol (S.V.R.) 95.8 per cent., 68 o.p., from 3s. 9d. to 3s. 11d. R. R. Absolute alcohol (re-rectified), 99.7 per cent., 75 o.p., 8s. per proof gall. net (for 40-gall. drums). Duty is £11 13s. 7d. per proof gall.

Synthetic grades (supplied only to buyers authorised by Customs and Excise to buy duty free) the 95 per cent. are from 2s. 10d. to 3s. 0d. and 99.5 per cent, 3s. 1d. to 3s. 3d. bulk deliveries.

Methylated Spirit

Methylators' rates per bulk gall. in Great Britain are as follows:

INDUSTRIAL METHYLATED SPIRIT: Strength 61 o.p., 500 gall. and over, 5s. 1d.; 100 gall. and under 500 gall., 5s. 6d.; 40 gall. and under 100 gall., 5s. 11½d.; 10 gall. and under 40 gall., 6s. 5½d.; 5 gall. and under 10 gall., 6s. 11½d. Strength 64 o.p., halfpenny per gall.; 66 o.p. (B.P.) one penny; 68 o.p., 3½d. more than the above rates with 74 o.p. at 5s. 10½d.; 6s. 3½d., 6s. 9d.; 7s. 3d. and 7s. 9d. for similar quantities. Tank wagon delivery is 2d. per gall. off list price — minimum 500 gall. For industrial methylated spirit of perfumery quality prices are from 6s. 6d. (tank wagon) for 500 gall. to 8s. 0½d. (10 gall. drums) for 64 o.p.

MINERALISED METHYLATED SPIRIT: Strength 64 o.p., in one delivery, 500 gall. upwards, 5s. 5½d. in drums; 100 gall. and under 500 gall., 5s. 10½d.; 40 gall. and under 100 gall., 6s. 4d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 4d.

PYRIDINISED INDUSTRIAL METHYLATED SPIRIT: Strength 66 o.p., 500 gall. and over, tank wagon delivery, 5s. 3\forall d.; 500 gall. in 40-gall. drums, 5s. 5\forall d.; 100 gall. and under 500 gall. (in drums). 5s. 10\forall d.; 40 gall. and under 100 gall., 6s. 4d.; 10 gall. and under 40 gall. 6s. 10d.; 5 gall. and under 10 gall., 7s. 4d.



Our Experience is your Safeguard

For over 60 years we have specialised in alkaloids.

Our workers have unequalled experience in their manufacture, purification and assay.

The following alkaloids, all made to our exacting standards,

are available in large or small quantities at competitive prices.

Ergometrine Maleate B.P. * Physostigmine and Salts

Atropine Sulphate B.P. U.S.P. * Hyoscyamine Sulphate N.F. XI

Emetine Hydrochloride B.P. U.S.P. * Hyoscine Hydrobromide B.P., Methylbromide and other Salts



BURROUGHS WELLCOME & CO.

(The Wellcome Foundation Ltd.)

THE WELLCOME BUILDING, EUSTON ROAD, LONDON, N.W.I.



Crude Drugs

ACONITE. - Spot: Spanish napellus, 2s. 9d. per lb.

AGAR. — Kobé No. 1, 12s. per lb. in bond; shipment, 11s. 9d., c.i.f.

Anise. — Chinese star, 185s. per cwt., spot, duty paid; shipment, 152s. 6d., c.i.f. ARROWROOT. — St. Vincent, superfine

sifted, 1s. 6d. per lb., spot.

BALSAMS. — Per lb.: CANADA: Spot, 18s. 6d. to 25s. COPAIBA: B.P.C. grade, 10s. 6d., duty paid. Peru: Spot, 8s. 6d. duty paid. Tolu: B.P., from 10s. 9d. to 32s. 6d.

BENZOIN.—Sumatra block, spot £18 10s. to £35 per cwt. as to quality.

Buchu. - Spot, 3s. 10d. per lb.; shipment, 3s. 9d., c.i.f.

CALAMUS.—Root, 100s. per cwt., spot, 87s. 6d., c.i.f.

CALUMBA ROOT.—Mozambique spot, 85s. per cwt.; 70s., c.i.f.

CAMPHOR. — B.P.

CAMPHOR. — B.P. powder nominally 4s. 9d. per lb. in bond. No c.i.f. offers. CAPSICUMS. — East African on stalk, 150s. per cwt.; Ethiopian, 145s.

CARDAMOMS. — Aleppy greens 8s. per lb. spot; shipment, 7s. 9d., c.i.f. Seeds, spot, whole, 14s.; splits, 10s. 6d.

CASSIA. — Fistula, 105s., per cwt.; lignea (whole), for prompt shipment, 250s., c.i.f.; spot, 375s., duty paid; broken 22ss., c.i.f. 225s., c.i.f.

CHERRY BARK. — Thin natural, 1s. 8d.

CHILLIES.—Zanzibar, 170s. spot; shipment, 170s. per cwt. Mombasa spot, 220s., shipment, 160s., c.i.f.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 7s. 2d.; single O, 6s. 8d.; seconds, 5s. 9½d.; quillings, 5s. 2½d. CLOVES. — Zanzibar spot, 2s. 11d. per lb. standard grade; shipment, 2s. 7d.; c.i.f.

COCHINEAL. — Canary Isle black-brilliant

nominal; silver-grey nominally 16s. per lb., c.i.f. Peruvian, silver-grey, 11s. 9d., duty paid; forward nominal.

COLOCYNTH PULP. — Spot and shipment

DIGITALIS.—Purpurea leaves, 2s. 8d. to 3s, per lb., c.i.f., as to potency.

ELEMI.—Spot, 1s. 6d. per lb. Shipment, 1s. 1d., c.i.f.

ERGOT. -- Portuguese, 9s. per lb., spot; 8s. 9d., c.i.f.

GINGER.—(Per cwt.). African, spot about 360s. Jamaican No. 3 spot, 660s. Shipment, 650s., c.i.f. Cochin, spot, 250s.; forward, 250s., c.i.f.

Gum Acacia. — Kordofan-cleaned sorts.

157s. 6d. per cwt., spot; shipment, 138s.,

HONEY. — (Per cwt.). Australian light amber, 145s. to 150s. and medium amber, 140s, to 145s. Argentine, 165s. to 170s.; Jamaican, 130s. to 135s.; Canadian, 165s. to 170s.; Mexican, 155s. nominal; all experiences. warehouse.

IPECACUANHA. — Costa Rican, 88s. per lb. spot nominal; Matto Grosso for shipment, 69s., c.i.f., nominal.

JUNIPER BERRIES. — Hungarian, 95s. per cwt.; German, 145s. spot.

KOLA NUTS. — African $5\frac{1}{2}$ d. spot and $4\frac{1}{2}$ d., c.i.f. (per lb.).

LEMON PEEL.—Spot, 2s. 3d. per lb.

LINSEED. — Whole, 72s. 6d. per cwt.; crushed, 102s. 6d.

LIQUORICE. — Natural root: Russian, 65s. per cwt.; Anatolian, 57s. 6d.; Persian 52s, 6d.; Sicilian 1-kilo bundles, 1s, 6d. per lb. Block juice: Anatolian from 200s, per cwt.; Italian stick from 329s. to 470s.

LOBELIA HERB.—American spot, 6s. 3d.

MACE.—Whole, pale blade, 16s. per lb. ex wharf; shipment, 14s., c.i.f.

MALEFERN.-Root for shipment quoted at 75s. per cwt., c.i.f.

MENTHOL.—Chinese: spot, 41s. per 1b. MENTHOL.—Chinese: spot, 41s. per lb. duty paid; May-June shipment, 35s., c.i.f. Brazilian, 19s. 9d. to 20s. 6d. in bond; shipment, 19s. 6d., c.i.f. Formosan, 28s. 6d. in bond; shipment, 26s., c.i.f.

NUTMEGS.—West Indian 80's, 11s. 9d. per lb. ex wharf; sound unassorted, 9s. 6d. nominal; defectives, 7s. 9d.

ORANGE PEEL. — Spot: Sweet ribbon, 1s. 10d. per lb.; bitter quarters: West Indian, 10½d.; Spanish, 1s. 4d.; bitter ribbon, 1s. 3d.

PAPAIN. - For shipment: East African No. 1, about 34s., c.i.f.

PEPPER.—White Sarawak spot, 3s per lb.; shipment, 3s. 1½d., c.i.f. Black Sarawak spot, 2s. 5½d. to 2s. 6½d.; shipment, 2s. 3½d., c.i.f. Black Malabar, 320s. per cwt. spot; shipment, 277s. 6d., c.i.f.

PIMENTO. — Spot 638s. per cwt.; shipment, 580s., f.o.b.

Podophyllum.—Spot, per cwt.: *Emodi*, 250s; shipment offers of new crop awaited; *Peltatum*, 365s. spot.

Quassia.—Spot, 57s. 6d. per cwt.

QUILLAIA.—Spot, 180s. per cwt.; shipment, 140s., c.i.f.

RHUBARB.—Spot cleared; shipment offers scarce.

Saffron. — Mancha superior, 180s. per

SARSAPARILLA. — Jamaican native red spot, 2s. 8d. per lb.; shipment, 2s. 4d.,

c.i.f.

SEEDS. — (Per cwt.). ANISE. — Spanish, 265s., duty paid. CARAWAY. — Dutch, 157s. 6d., duty paid. CELERY.—Indian, easier with spot sellers now quoting 220s.; shipment, current crop, 180s., c.i.f., new crop for June-July, 160s., c.i.f. CORIANDER. — Moroccan steady at 62s. 6d., duty paid; shipment, 52s. 6d., c.i.f. CUMIN.—Iranian, 165s., duty paid; shipment, 140s., c.i.f. DILL.—Indian, 80s., spot, shipment, 60s., c.i.f. FENNEL.—Indian, 125s. spot, shipment new-crop for May-June quoted at 120s., c.i.f. FENUGREEK.—Moroccan, 55s., duty paid; shipment. 42s. 6d., c.i.f., sellers. MUSTARD.—English, 45s. to 70s., according to quality. to quality.

SENNA. — (Per lb.), *Tinnevelly* LEAVES, spot: Prime No. 1, 2s. 3d.; prime No. 2, ls. 9d.; No. 3, f.a.q., ls. 4d. PODS: handpicked spot scarce at from 3s. 3d. to 3s. 6d., as to quality: manufacturing spot, 2s. 4d. *Alexandria pods:* Manufacturing, spot cleared: forward, 2s. 6d. to 2s. 9d. per lb. ex wharf: hand-picked from 4s. 9d. to 8s. 6d. as to quality.

SHELLAC.—F.O.T.N., 192s. 6d. per cwt.; No. 1, 207s. 6d.; F.O., 225s. to 275s.

SQUILL.— White 80s. per cwt. on the STRAMONIUM.—Continental LEAVES 85s.

per cwt, spot. STYRAX.—Spot, 22s. per lb.; shipment,

21s., c.i.f. Tragacanth. — No. 1 ribbon, £132 10s. to £135 per cwt. No. 2, £125 to £127 10s.

TURMERIC. — Madras finger spot, 160s. per cwt. quoted; shipment May, 130s., c.i.f.

Valerian Root. — Spot: East European, 175s. per cwt.; Indian, 180s. Shipment: Continental, 172s. 6d. to 205s. 6d.

Vanillin.—Rates (per lb.) are now:—5-cwt. lots, 21s. 6d.; 1-cwt., 21s. 9d.; 56-lb., 22s.; small quantities, 22s. 6d.

Waxes. — (Per cwt.): Bees'.—Dar-es-440s., c.i.f. Abyssinian, spot 410s., in bond; shipment, 390s., c.i.f. Sudanese spot 450s.; shipment, 385s., c.i.f Canded. Carnauba, fatty grey, spot, 315s., shipment, 295s., c.i.f.; prime yellow, spot, 660s.; shipment, 655s., c.i.f.

Essential and Expressed Oils

Amber.—Rectified on the spot, 1s. 6d. per lb.

BAY. - West Indian about 25s, per lb. on the spot.

BIRCH TAR.—Rectified, 8s. per lb.

Bois de Rose.—Brazilian, 26s. per lb. on the spot; May-June shipment, 22s., c.i.f. CADE. — Spanish, 2s. 6d. per lb. for

drum lots.

CALAMUS. — Spot, about 56s. per lb.; shipment, 38s., pcr lb., c.i.f.

CAMPHOR, WHITE. — Chinese, 2s. 7d. duty paid, per lb.; shipment, 1s. 9d., c.i.f., nominal.

Cananga.—Spot, 27s. per lb.

CEDARWOOD. — Rectified 6s. per lb. on the spot.

CHAMOMILE.—Smalls 640s. per lb.

CINNAMON.—Best English-distilled, 640s. per lb.; other B.P. oils from 22s. per lb. Ceylon leaf, 12s.; Seychelles, 8s., spot.

CITRONELLA. — Ceylon, spot, 9s. 1½d.; shipment, 8s. 9d. per lb., c.i.f. Formosan 15s. 9d. in bond; May shipment, 12s. 3d., c.i.f.; Chinese, spot cleared; May–June shipment, 15s. 6d., c.i.f.

CORIANDER.—B.P. oil, 41s. per lb., spot. CUBEB.—Spot supplies of imported are 85s. per lb.

Fennel.—Spanish sweet, spot, 10s. per lb. Lemon.—Spot cold pressed from 21s. per lb.; Sicilian, 37s. 6d. Sicilian for shipment, about 52s. per lb., c.i.f.

LIME.—West Indian distilled 48s, per lb. on the spot.

NUTMEG.—West Indian B.P. oil is about 65s. per lb. English distilled, nominal.

OLIVE.—Spot value of Spanish is 40s. to 40s. 6d. per gall. in tins or bulk; forward, £430-£435 per metric ton, f.o.b. Spain. French and Tunisian oil, £440-£450 per metric ton in drums c. and f., London. Moroccan not offering.

PEPPERMINT. — Arvensis: Chinese spot, 12s. 6d.; shipment, 9s. 9d., c.i.f. Brazilian spot, 6s. 3d. to 6s. 6d.; shipment, 6s. 1½d.. c.i.f. Piperita: Italian, 48s. to 70s., spot. American from 37s. to 38s. 6d. per lb. as to make.

PETITGRAIN.—Paraguay, 18s. 3d. per lb., spot; shipment, 17s. 6d., c.i.f.

PINE. — Pumilionis, 3 sylvestris, 9s.; abietis, 15s. 33s.

Rue.—Spanish, is 23s. 6d. per lb., spot. SASSAFRAS. — Brazilian is from 2s. 6d. per lb., duty paid.

Sandalwood. — Spot Mysore, 107s. 6d. per lb.; forward, East Indian, 105s., c.i.f. SPEARMINT.—American oil on the spot 24s. per lb.

TANGERINE.—Sicilian about 70s. per lb. spot. Floridan for shipment, 24s. to 25s., c.i.f.

VETIVERT.—Bourbon spot, 95s. to 105s. per lb.; shipment, 95s., c.i.f.

UNITED STATES REPORT

NEW YORK, MAY 7: Higher costs for basic materials brought increases in CITRIC ACID and some of the CITRATES. U.S.P. grade citric acid moved up $2\frac{1}{2}$ cents to 29½ cents per lb. for the granular and 30 cents for the powdered. SODIUM CITRATE rose $1\frac{1}{2}$ cents to 28 cents while POTASSIUM CITRATE moved up 1½ cents to 43 cents. Some branded LEMON OILS were dearer and West Indian BITTER ORANGE was \$6 per lb., up 25 cents. CARDAMOM OIL at \$34 was up \$2. Lower per lb. were Bourbon GERANIUM at \$14 (down \$1); CARAWAY at \$3.85 (25 cents); Bois DE Rose at \$3.35 (10 cents); and LEMONGRASS at \$1.90 (10 cents).

CHEMICAL AND DYESTUFFS TRADERS

Luncheon and annual report

IN his speech at the annual luncheon of the British Chemical and Dyestuffs Traders' Association, the chief guest (the Hon. George A. Drew, Q.C., High Commissioner for Canada) cogently presented his country's economic progress and potentialities. said that the luncheon brought together members of a truly remarkable industry, which had been responsible for more beneficial changes in people's lives than any other. British scientists in particular had put to peaceful uses so many discoveries made under the stress of war. The marriage of science and business had had almost equal success in Canada. That country's total production had risen from \$117 millions in 1920 to \$1,441 millions in 1960. Canada, he claimed, had the greatest accumulation of natural resources outside Russia, and a population growing faster than any other country except Israel. If Britain, Canada and the other nations of the Commonwealth stood together their combined resources could bring about the greatest period of prosperity ever known.

MR. G. S. BACHE'S response as president embodied the wish that Canada might be entering a new era of stability and economic progress, and hoped Britain would cultivate the Canadian market, offering quality, service, good presentation and maintenance. The toast of the guests was proposed by the chairman (DR. C. J. BELL), MR. J. DICKSON WRIGHT, F.R.C.S., replying on their behalf.

Annual Report

The Association's fortieth annual report, presented at the annual meeting on April 30, said that throughout 1962 industry and trade had had to contend with the uncertainty of the outcome of the negotiations with the European Economic Community. Although the negotiations had not come to fruition, the preparatory work of the Association had been valuable, and the experience gained would be of undoubted service to members in any future de-

velopments. The chemical trade covered an ever developing field of activity, comprising many distinct groups of products and raw materials, and the work of the Association was therefore concerned with a wide range of matters touching varied interests. The subject of tariffs called for most constant vigilance and all members were being kept informed of temporary exemption applications and import duty changes. Greater importance attached itself to further negotiations with the General Agreement on Tariffs and Trade for reciprocal tariff cuts. The Association had always maintained that there could be no real expansion in world trade whilst tariffs were used to avoid the challenge of competition and the free movement of goods was consequently restricted.

Most countries understandably felt the need to apply dumping legislation whenever conditions of a world surplus created what was alleged to be unfair competition, but it must never be forgotten that such measures were capable of being used to protect the less energetic and less enterprising, and thus to deny consumers the benefits of new chemical and engineering techniques that could lead to cheaper raw materials and so to lower prices of end products. One of the purposes of the Association was to keep a lookout for any abuse or unfairness of that sort.

Merchanting organisations were well placed to expand export activity and should consider publicising themselves, showing how their experience and expertise could be of economic value and help to manufacturers.

N.H.S. STATISTICS

In ENGLAND during November 1962, 15,554,840 prescriptions (10,772,900 forms) were dispensed at a total cost of £6,756,650. Average cost per prescription 104·25d. During December 1962, 15,009,247 prescriptions were dispensed at a total cost of £6,656,304, at an average cost of 106·44d. per prescription.

WORLD TRADE

French Drug Promotion Law.—The law affecting publicity and advertising in the French pharmaceutical industry has been modified by two recent Government decisions published in the Journal Official on April 19 and March 16. The modifications apply to all commercial publicity for whatever form of drug. Limitations are imposed on the distribution of free samples and no free gifts with pharmaceutical preparations are to be allowed. In future no publicity concerning a drug may be carried out unless the campaign has first been approved by a newly established Commission of Pharmaceutica. Publicity and unless a visa has been obtained from the Ministre de la Santé Publique et de la Population.

World Chemical Output. chemical production in 1962 rose by 9 per cent. to about £33,100 millions, according to research by the German company Badische Anilin und Soda-Fabrik, A.G., Ludwigshafen. In its annual balance sheet the company added that the European Economic Community countries, whose share in world output was about 18 pcr cent., had a similar increase while European Free Trade Association countries had a rise in the value of their output by only about 5 per cent. The United States and Canada had a 42 per cent. share of world output. E.E.C. countries' share (18 per cent.) was broken into 7 per cent. by West Germany, 5 per cent. by France, 4 per cent. by Italy and 1 per cent. each by the Netherlands and Belgium/ Luxembourg. Of the 8 per cent. produced by E.F.T.A. countries, Britain contributed 6 per cent. of world chemical output. The remainder of the world contributed 32 per cent. Increases in 1962 included 20 per cent. by both France and Belgium, 15 per cent. by Italy, 12 per cent. by West Germany and 10 per cent. by the United States. With the exception of Britain and Japan, most of the important chemical producer countries exported relatively less in 1962 than in 1961. European Economic Community countries had an export increase of only 5 per cent. compared with their production rise of

Manufactured Toilet Preparations

PRODUCTION IN QUARTER ENDED FEBRUARY 28

SALES of toilet preparations by United Kingdom manufacturers in the three months ended February 1963, at £12·8 millions were virtually unchanged from the corresponding period of a year ago. The value of sales for the home market was almost 1 per cent, lower than a year earlier, at the seasonally low level of £10·75 millions. The fall was mainly

accounted for by a fall of 7 per cent. in sales of hair preparations though sales of perfumes and toilet waters were also lower; sales of dental preparations were, for the third consecutive time, up by 5 per cent, and sales of other toilet preparations were slightly up. The value of sales for export at £2·1 millions was $5\frac{1}{2}$ per cent, above the 1962 figure.

Allowing for the increase in wholesale prices for sales of toilet preparations that has occurred over the past year, it is estimated that the volume of sales in the three months ended February was nearly 6 per cent, lower than in the corresponding period a year earlier.

Source: Board of Trade's Business Monitor. (H.M. Stationery Office).

MANUFACTURERS' OUARTERLY SALES (£ thousands)

				1	For home market						For export
Three	mon	ths er	nded		Total sales	Total	Perfumes, toilet waters	Hair preparations	Other toilet preparations	Dental preparations	Total
1962 February					12,825	10,850	476	3,952	4,060	2,363	1,975
May					15,619	13,185	615	4,607	5,311	2,651	2,434
August					16,735	14,385	869	4,966	5,497	3,053	2,350
November				• • •	19,671	17,190	1,825	4,757	7,845	2,762	2,481
1963 February					12,834	10,750	438	3,691	4,142	2,479	2,084

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, May 12

International Packaging Exhibition (Interpack), Düsseldorf, Until May 20. South Midland Chemists' Golfing Society,

SOUTH MIDLAND CHEMISTS' GOLFING SOCIETY, Bramshaw golf club, Lyndhurst, Hants. Allday meeting.

Monday, May 13

AUTOMATIC VENDING EXHIBITION, Earls Court, London, S.W.5. Until May 17.

INTERNATIONAL PHOTO-CINE FAIR, Olympia, Lon-

don, W.14. Until May 18.

INTERNATIONAL REPROGRAPHIC AND INDUSTRIAL PHOTOGRAPHIC EXHIBITION, Earls Court, London, S.W.5. Until May 17.

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Bcale's restaurant, 368 Holloway Road, London, N.7, at 7.45 p.m. Annual meeting and film evening.

Shop Equipment and Self-service Exhibition (Shopshow), Olympia, London, W.14. Until

UNIVERSITY OF LONDON, Charing Cross hospital medical school, 6 Chandos Place, London, W.C.2, at 6 p.m. Dr. M. Sokolow on "Clinical Pharmacology of Quinidine."

Tuesday, May 14

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY, Station hotel, Chesterfield, at 8 p.m. Annual

DONCASTER BRANCH, PHARMACEUTICAL SOCIETY, Ivanhoe hotel, Sprotborough, at 8 p.m. Annual meeting.

READING BRANCH, PHARMACEUTICAL SOCIETY, County Liberal club, Blagrave Street, Reading, at 8 p.m. Annual meeting. SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTI-CAL SOCIETY, Prince of Orange, 189 Greenwich High Road, London, S.E.10, at 7.45 p.m. Annual meeting.

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Roker hotel, Sunderland, at 7.30 p.m. Discussion on report of the Committee on the General Practice of Pharmacy.

Wednesday, May 15

WESTERN PHARMACISTS' ASSOCIATION, Great Western Royal hotel, Paddington station, London, W.2, at 7.30 p.m. Annual meeting, Exhibition of members' colour transparencies. Taperecorded lecture by Dr. Murray Banks on "Do you think you are normal?"

Thursday, May 16

DEPARTMENT OF SCIENCE, HATFIELD COLLEGE OF TECHNOLOGY, Hatfield, Herts, at 10 a.m. Symposium on "The Chemistry and Mode of Action of Fungicides."

LEEDS BRANCH, NATIONAL PHARMACEUTICAL UNION, Great Northern hotel, Leeds, at 8 p.m. Annual meeting.

meeting.

LEICESTER AND LEICESTERSHIRE AND COVENTRY
AND WARWICKSHIRE BRANCHES, PHARMACEUTICAL
SOCIETY, Country Arms hotel, Leicester Road,
Glen Parva, Leicester, Joint social evening.
SCHOOL OF PHARMACY, SUNDERLAND TECHNICAL

School of Pharmacy, Sunderland Technical College, at 3 p.m. Extension course for hospital pharmacists. "Drugs and the Central Nervous System" (3).

Shop Equipment and Self-service Exhibition, Olympia, London, W.14, at 2.30 p.m. Conference: "The Chemist in the Retail Revolu-

COMMERCIAL TELEVISION

Figures in these columns represent number of appearances of the "spot" during the week.

May 19–25		London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.	W.&N.Wale
Alka Seltzer Anadin Andrews liver salt Angel Face lipsticks		5 3 1 2	2 3	5 1 1	2 8 —	5 2 2	5 2 1		5 1 2	5 2 1	5 2 1	5 1 —		<u>1</u> _	<u>5</u> —	<u>5</u> <u>2</u>
Anne French products Askit		_	1		13	_	1	_	1	_	_	7	_	_	_	_
Beecham powders Bisodol	••• •••	4	3 4 4	4	3		3	1 4 —			3		3			
Bunty Baby products Christy's lanolin face pack	••• •••	$\frac{2}{2}$	$\frac{2}{-}$	3 2 2	2 - 2	2 - 2	1 —		<u>2</u> _	2	<u>3</u> _	<u>2</u> _	_			
Dentu-cream	••• •••	3	$\frac{1}{-1}$	_ _ 1	_	_ _ 1	1 1	_ _ 1	1 1	_	_ _	<u>-</u>		_	_	
Eno's fruit salt			_ _ 3				3	1 - 2		_ 1 _			_	_	_	
Lollingin		1 - 3	6 1	<u>-</u> 1	$\frac{-}{2}$	$\frac{1}{2}$						_ _ 4	_ _ 3			
Milk of Magnesia tablets Moorland tablets		2							2 2	2 2	2	2				
Phensic Phyllosan	••• •••	4 3	2 6 3	5 2	2 4 —	6	4 3	5	4 3			3		_		
Rennies Rinstead pastilles		3 2 1	2	3	2	_ 				_	_					
Salvelox Sanilav	••• •••	1 3 3	_ 		<u>-</u>		3					_		_		
VO5 conditioner shampoo	•••	1	1	3 1 1	3	4 1 2	2		4 - 2	_	2	_				
Get Set hair spray	•••		2 2 1	2 2 3	4 1 3	2 1 —	1 1 1 3		2 2 2 3		3	=	_ _ _ 3		_ _ _ 4	_ _ _ 2
reast vite	•••	3	,	3	3	3	3	3	3	٦	Ş		3		4	2

NOTES ON NEW MEDICAMENTS

ARTOSIN. — Chemistry: 1-butyl-3-p-toluene-sulphonylurea, or tolbutamide. The drug stimulates the release of insulin from the beta-cells of the pancreas, and is widely used in the oral treatment of mild diabetes. It is also used in the diagnosis of diabetes, and to differentiate between a true case of the disease, a hepatic disturbance of glucose metabolism, or adenoma of the islet cells of the pancreas. Ampoules of tolbutamide are also available as Rastinon,

DONNATAL L.A. — Constituents: Hyoscyamine sulphate, atropine sulphate, hyoscine hydrobromide and phenobarbitone. The product is a long-acting presentation of solanaceous alkaloids (well known for their spasmolytic properties) together with a central sedative. Preparations containing similar constituents in long-acting forms include Spastipax and Sustacol; Amytal with belladonna and Merbentyl with Phenobarbitone represent those products with a shorter action. In addition, many preparations are available which contain spasmolytics associated with antacids,

DEGRANOL. — Chemistry: Mannomustine dihydrochloride. The use of nitrogen mustard in the treatment of cancer is well known, but the irritant and toxic nature of that compound is disadvantageous. Mannomustine is a derivative of nitrogen mustard and the hexose mannitol, and is characterised by reduced toxicity and increased stability. Other cytostatic drugs are represented by Trillekamin, Tretamine, and Endoxana.

DURENATE. — Chemistry: 2(p-amino benzene-sulphonamido) - 5 - methoxy pyrimidine, also known as sulphamethoxydiazine. It has the antibacterial properties of the sulphonamide group of drugs, but is characterised by a prolonged action. That extended action and high blood level is due to the low degree of inactivation by acetylation, the high proportion of the drug that remains unlinked with the serum proteins, and the amount that is reabsorbed by the kidneys. Adequate blood levels are obtained with a single daily maintenance dose. Other long-acting sulphonamides are represented by sulphamethoxypyridazine (Lederkyn, Midicel), sulphasom zole (Bidizole). Bimez and Dosulfin are mixed long-acting preparations.

METHRAL.— Chemistry: Fluoperolone acetate. A fluorinated derivative of methyl prednisolone, fluoperolone has the powerful anti-inflammatory properties of topically active steroids, but is distinguished by its rapidity of action. That property is of value in treatment of pruritus, and its availability in both greasy and nongreasy bases extends its use.

ORBENIN. — Chemistry: 3 - chlorophenyl - 5 - methyl-4-isoxazolyl penicillin sodium (approved name, sodium cloxacillin). The isoxazolyl derivatives of penicillin are more active than the parent drug, with enhanced resistance to breakdown by gastric acid. Cloxacillin is one of the most effective compounds of the series. Like methicillin (Celbenin), cloxacillin is active against penicillinase producing organisms, against which soluble penicillin is ineffective, but has the advantage of being active both orally and by injection.

THIODRIL. — Chemistry: 5-carboxy-methyl cysteine. The compound is a water-soluble derivative of the amino-acid cysteine, and such thiol compounds play an important part in cell metabolism. It is thought that sulphur compounds are useful in non-specific inflammatory conditions of the respiratory mucosa, and influence the regeneration of the damaged cells. Many compounds with a free thiol group have a sulphur odour which is unpleasant, but in Thiodril the thiol group is blocked by a carboxy radical, which eleminates both the taste and smell of sulphur.

VOLITAL. — Chemistry: 5-phenyl-2-imino-4-oxooxazolidine, also known as pemoline. The compound is related to the anticonvulsant drugs troxidone, paramethadione and aloxidone, but pharmacologically the action differs sharply as it has central stimulant properties. Unlike amphetamine, it does not cause tachycardia in normal doses, although larger amounts may bring about such cardiac disturbances, Pemo-line is also available at Kethamed and Ronyl; other central stimulants, apart from the amphetamines, are represented by fencamfamin (Euvitol) and methyl phenidate (Ritalin).

ZACTIPAR.—Constituents: Ethoheptazine citrate and paracetamol. Ethoheptazine can be regarded as a homologue of pethidine, from which it differs by the replacement of the six-membered ring piperidine by the sevenmembered hexamethylenimine ring. The compound has analgesie properties similar to those of iodine, but few side-effects. The analgesie properties are augmented by the inclusion of paracetamol, which is the metabolite of phenacetin to which the pain-relieving effects of that drug are ultimately due. Ethoheptazinc is present with aspirin in Zactirin; other newer analgesic products are represented by Valtorin (chlorthenoxazin and phenacetin), Robaxisal (chlorthenoxazin and phenacetin), Robaxisal (methocarbamol and aspirin) and Norgesic (orphenadrine and paracetamol).

PRINT AND PUBLICITY MEDICAL PROPAGANDA

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists. BAYER PRODUCTS Co., Surbiton-on-Thames, Sur-"What's building Panadol so fast rev: (eard).

BEECHAM RESEARCH LABORATORIES, LTD., Brentford, Middlesex: "Orbenin . . . oral peniellin for resistant staphylococci" (20-p, booklet), " Orbenin " (card).

Berk Pharmaceuticals, Ltd., 8 Baker Street, London, W.1: "Thiodril . . . for the treatment of chronic rhinitis" (26-p. booklet). "Thiodril" (eard). "Degranol" (card).

FBA PHARMACEUTICALS, LTD., Burrell Road, Haywards Heath, Sussex, and PHARMETHICALS (LONDON), LTO., Victoria Way, Burgess Hill, Sussex: "Durenate . . . low-dosage sulphonamide with particular advantages" (16-p. booklet).

IMPERIAL CHEMICAL INDUSTRIES, LTD., PHARMA-CEUTICALS DIVISION, Wilmslow, Ches. "Atromid " (25-p, booklet).

LABORATORIES FOR APPLIED BIOLOGY, LTD., 91
Amhurst Park, London, N.16: "Volital" Amhurst Park, London, N.16: (card).

London, W.1: "Fucidin and Fucidin VP . . . primary choice against a most lethal secondary invader" (card).

LEWIS LABORATORIES, LTD., Leeds, 9. "Lipotriad liquid. A new geripeutic'" (card).

MAY & BAKER, LTD., Dagenham, Essex: "Avomine . . . in nausea and vomiting." (3-p. mine . . . in nausea and vomiting." (3-p. folder), "Vallergan . . . for the oral relief of itehing " (card).

PFIZER, LTD., Sandwich, Kent: "Methral oint-ment" (4-p. booklet). RIKER LABORATORIES, Morley Street, Lough-

RIKER LABORATORIES, Morley Street, Lough-borough, Leics: "Artosin ampoules for the intravenous test" (16-p. booklet).

D. SEARLE & Co., LTD., High Wycombe, Bucks, "Enavid-E, rhæa" (12-p, booklet), , .for severe dysmenor-

R. SQUIBB & Sons, Edwards Lane, Speke, Liverpool 24: "Adcortyl E and EG cream, lotion, ointment " (6-p. folder). " 3 new Squibb dermatologicals " (4-p. folder). " Broxodent a significant advance in dental hygiene (4-p. folder).

JOHN WYETH & BROTHER, LTD., Taplow, Maidenhead, Berks: "Zaetipar" (10-p. booklet),

PRESS ADVERTISING

CHARNWOOD LABORATORIES, division of Vantorex, Ltd., Morley Street, Loughborough, Leics: Rexall iron and brewers' yeast tablets. Woman's Realm, Woman's Weekly

People's Friend.

ALFRED FRANKS & BARTLETT CO., LTD., 226

Gray's Inn Road, London, W.C.1: Lolita sunglasses. In teenagers' magazines.

WARWICK BROS., LID., Warrex Laboratories, Tile Hill, Coventry: Rinstead pastilles, In News of the World, The People, People's Friend, Radio Times, Reader's Digest and Sunday Mirror.

POSTERS

LASTONET PRODUCTS, LTD., Carn Brea, Redruth, Cornwall. Lastonet surgical products. In London Transport Underground stations and trains.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," April 24

For non-medicated toilet preparations and toilet articles (not included in other classes), all for

BABY LIFE B840.880 by MacDonald & Taylor, Ltd., Ashton-under-Lyne, Lancs,

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils (3)

HOLE IN ONE, 843,731, by Cussons Sons & Co., Ltd., Manchester, 7.

For perfunies, non-medicated toilet preparations, cosmetics, soaps, essential oils, dentifrices and

INNUENDO, LIAISON, 843,770-71, by Saville

Perfumery Ltd., London, W.1.
For non-medicated toilet preparations for the skin (3) and for pharmaceutical preparations for the treatment of ailments of the skin (5) ZELLKUR, B829,294, B831,199, by Alfred

Heyn, G.m.b.H., Berlin-Charlottenburg, Ger-

For liquid disinfectants (5)

Device with letters VIVO, B833,703, by Family Groeer Allianee, Ltd., London, S.W.1.

For pharmaceutical preparations and substances (5) BESTON, B836,328, by Tanabe Seiyaku, K.K., Osaka, Japan,

For pharmaceutical preparations for the treatment trophic cutaneous disorders of circulatory origin, or traumatic origin or resulting from inflammatory reactions (5)

DERMOCLAR, 836,929, by Etablissements Clinbyla, Paris 5e, France.

For deodorants being chemicals (5)

OZETTE, 838,123, by G. H. Wood & Co., Ltd., Toronto, Ontario, Canada.

For all goods (5)

TENLIUM, 839,260, by Roche Products, Ltd., Welwyn Garden City, Herts.

For pharmaceutical and veterinary preparations (5) ENDEVEE, B839,327, by Pfizer, Ltd., Sandwich. Kent.

For spasmolytics and analgesics, all being pharmaceutical and veterinary preparations (5)

SPASMOBITAL, 840,028, by C. H. Bochringer Sohn, Ingelheim-on-Rhine, Germany,

For deodorants (5)

DUO, B840,205, by Northam Warren, Ltd., London, S.E.1.

For disinfectants (5)

DEME, 840,482, by Domestos, Ltd., Newcastle-

For pharmaceutical preparations and substances for veterinary use (5) ENTOSTAT, 842,502, by Stevenson, Turner &

Boyce, Ltd., Ontario, Canada, and Reading, Berks.

For pharmaceutical preparations and substances human and veterinary use (5)

BEFORMEX, CYBERTIL, DELFIREX, 844,803-05, FROSINOR, 844,808, by CIBA, Ltd., Baste, Switzerland,

For binoculars and telescopes (9)

TELSTAR, 836,873, by Headquarter & General Supplies, Ltd., London, S.E.5.

For sponges made of foamed plastics (21) FOAMATOY, B839,560, by Foamair, Ltd.,

For gloves made of plastics, for domestic household and toilet purposes (21)

SENSIFORM, 840,214, by Ethicon, Inc., Bridgewater, New Jersey, U.S.A.

For feeding stuffs for poultry, cattle, pigs, sheep and horses (31)

POULTREX, 838,815, by Poultrex, Ltd., Buxted, Upperfield, Sussex.

From the "Trade Marks Journal," May 1

For chemical products for use in the manufacture of foodstuffs (1) SEQUOL, 840,329, by Chas, Pfizer & Co.,

Inc., Brooklyn, New York, U.S.A.

For all goods (1)

PLYNEX, 845,192, RIGILENE, 845,195, by

Pfizer, Ltd., Sandwich, Kent.
For pharmaceutical products and preparations (5)
DUSPATALIN. 843,626, by N.V. Philips-Duphar, Amsterdam, Holland.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," April 24

Electrolytic developer solution, Minnesota Mining & Manufacturing Co. 927,793.

Direct positive photographic emulsions, Kodak, Ltd. 928,153.

Photographic cameras having automatic intercepting and position detecting mechanism for setting the diaphragm aperture, H. Deekel and F. W. Deckel, 928,056.

Photographic silver halide emulsions, General Aniline & Film Corporation, 928,116. Thermographic copying methods, Eastman Kodak

Co. 928.039.

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from June 6, 1963.

From the "Official Journal (Patents)," May 1

Dusting powders, S. P. Richardson, 928,804. Contraction of corticotrophin, Canada Packers,

Stabilised dichlorodifluoro ethyl methyl ether and process. Dow Chemical Co. 928,786.

Methods of preparing therapeutic preparations of iron. Diamond Laboratories, Inc. 928,238. Resin-drug compounds, Aspro-Nicholas, Ltd.

928.304. Therapeutic

herapeutic preparations containing antihistamines. Bristol-Myers Co. 928,264. Process for the production of injectable sulphon-

amide suspensions, Farbenfabrik Wolfen Veb. 928,306.

Extraction of corticotrophin. Canada Packers, Ltd. 928,682. Continuous esterification process, Distillers Co.,

Ltd. 928,182. Production of hydrogen peroxide, Laporte Chemi-

cals, Ltd. 928,784. 7-theophylline derivatives and a process for their

production. Chemiewerk Homburg Zweigniederlassung der Deutsehen Gold - und - Silber-Scheideanstalt, 928,186.

Production of phthalic anhydride. Courtaulds. Ltd., and Coal Tar Research Association. 928,459.

Metal chelates of 2-imino-5-phenyl-4-oxazolidine. Gray Pharmaceutical Co. 928,474. 9,11-dihalogeno-steroids. Scherico, Ltd. 928,301.

Steroid compounds. Merck & Co., Inc. 928,805, 928,417-418, 928,226.

17α-substituted steroids and process for their manufacture. Scherieo, Ltd., 928,411.

△5-steroids and process for the preparation thereof, Riehardson-Merrell, Inc. 928,491. compounds. Scherico,

 $\triangle^{9(11)}$ -pregnene

Steroid compounds, Sterling Drug, Inc. 928,493. British patent specifications relating to the above will be obtained (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from June 12.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals

COCAISM. Some sociological aspects of the prob-lem of, Bull. Narcot., October-December 1962. POCKET KIT for the detection of the commonest

narcotie drugs. Bull. Narcot., October-December 1962. THE CANNABIS PROBLEM: a note on the problem

and the history of international action, Bull. Narcot., October-December 1962.

CHEMICAL STRUCTURE AND BIOLOGICAL ACTIVITY.
The relation between J. Pharm. Pharmacol.,

HEALTH SERVICES. The cost of, Chron, Wld. Hlth.

Org., April.

QUALITY CONTROL of pharmaceutical preparations. Chron, Wld, Hlth, Org., April, INTRATHECAL CHLOROCRESOL in the treatment of

pain in eaneer. Lancet, May 4.

Synthesis of nn-dialkyl-n'-arylalkyl-n'-4-cinno-linyl (or 9-fluorenyl or 6-methyl-3-pyridazinyl or 1-phthalazinyl or 2-quonoxalinyl) ethylenediamines of potential pharmacological interest. J. chem. Soc., April.

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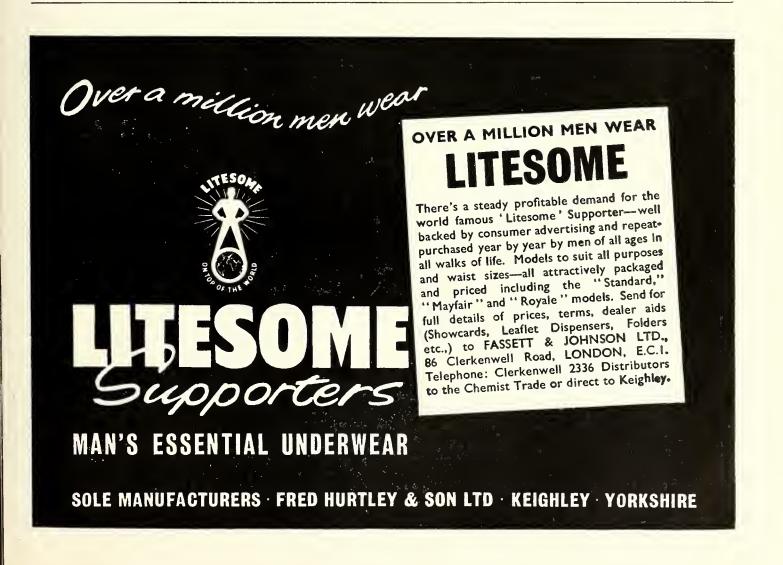
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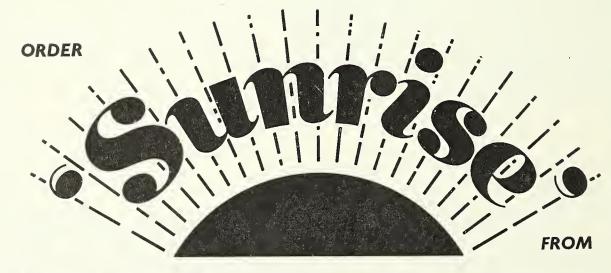
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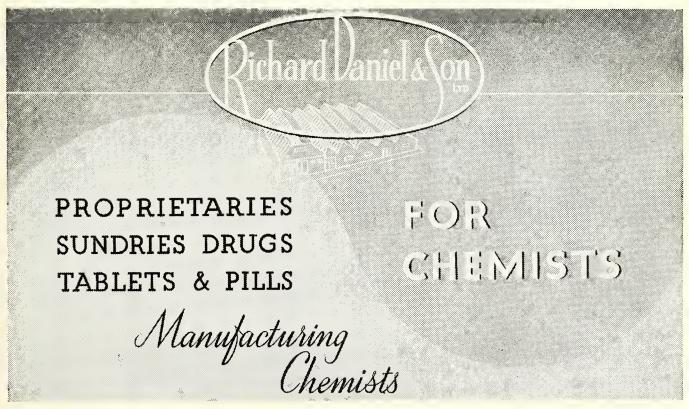
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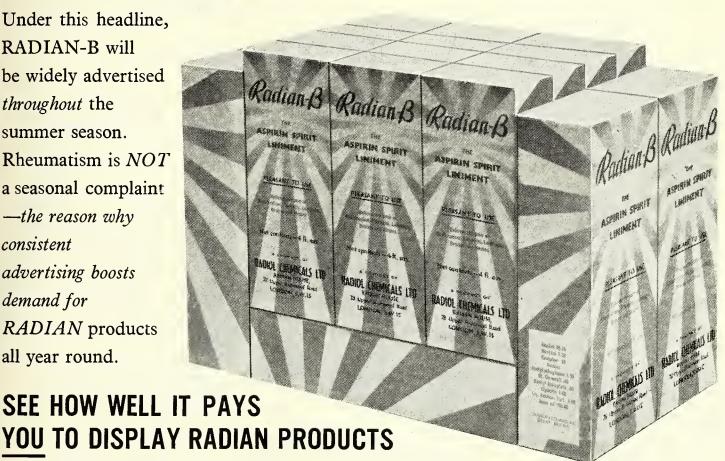
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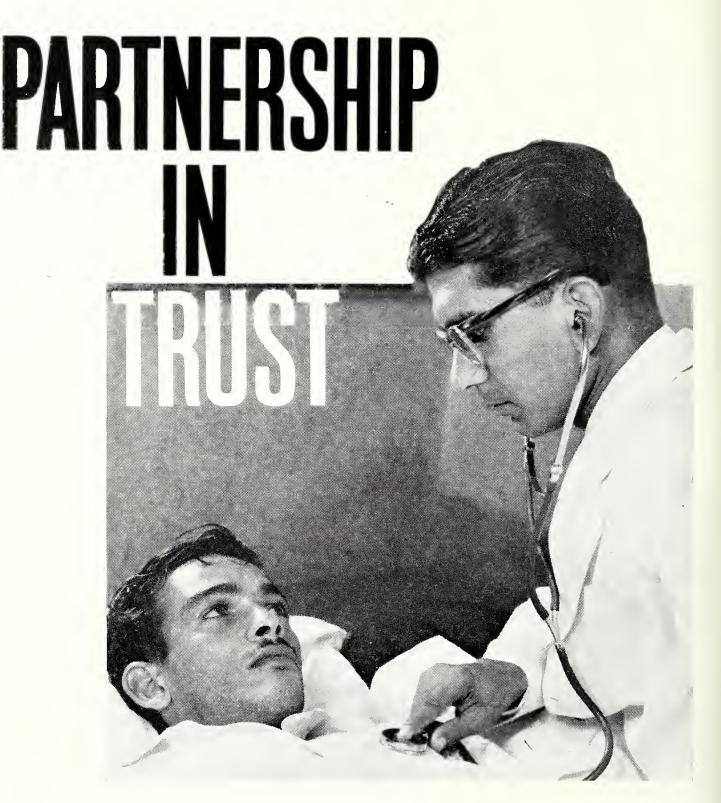
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Both packs, in colours of red and blue, are designed for quick self-service sales. Your customers can see the straws at a glance in these attractive "window" packs. They occupy MINIMUM SPACE—but make MAXIMUM SALES and MAXIMUM PROFITS.



TRY THE NEW TALL "SWEETHEARTS"—101"—for LONG DRINKS. Available in handy quarter gross cartons.

For those who like their "SWEETHEARTS" shorter . . . there are the $8\frac{1}{2}$ " straws in packs of 100, as well as the $8\frac{1}{2}$ " "Mother Goose Straws" in the colourful "window" pack (kiddies love 'em).

These are just a few of the SWEETHEART range, TALL, SHORT, STRAIGHT; also the FLEX-STRAW—the ONLY straw DESIGNED TO BEND AT ANY ANGLE, Can be used safely in hot and cold beverages.

HYGIENIC DRINKING STRAWS CO. LTD. College Road, Fishponds, Bristol

Phone: Bristol 653268 & 654205

Grams: Drinkrite, Fishponds, Bristol

米

*The most popular hairspray in France





with heavy national

advertising to make sales for you



Make sure you stock Elnett-profit from this concentrated advertising campaign



Available in eye-catching push button spray bottle Retail Price 6/9 per bottle Trade Price 46/4 per doz. plus tax

or in larger aerosol can Retail Price 9/6 per can Trade Price 65/- per doz. plus tax

Many when the hair is brushed all trace of hair spray goes

MODERN WOMAN

WOMAN AND BEAUTY

Man holds hair perfectly yet keeps it soft and tender to the touch

Man hair stays supple, resilient and responsive

Maul it gives the hair a beautiful natural shine

From L'OREAL OF PARIS world's greatest makers of hair beauty products Manufactured and Distributed by GOLDEN LIMITED Berkeley Square House Berkeley Square London W1 Mayfair 8240





Schick launch the Superspeed!

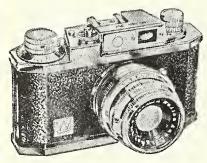
The strongest story in shaver advertising! And Superspeed lives up to it... with the sharpest shaving head ever put on an electric shaver. It's made from surgical stainless steel! So sharp, just one shave lasts all day. And we're telling your customers!

Big bold national advertising! Nothing but biggestcirculation papers. Daily Mirror. Daily Mail. Daily Express and Daily Telegraph. Plus magazines: Radio Times. TV Times and 4 full-colour pages in Reader's Digest. And a 15-second commercial at peak times in Lancashire and Yorkshire. We're telling 92% of Britain's men! Right through May, June and July... the powerful Superspeed story will be seen by 92% of Britain's men. Each one will see Superspeed's compelling message 18 times!

Tie-in with stopper displays! Stock up now! Are you ready for the big demand? Hard-selling, stopper displays will sell Superspeed in your store. Crowners. Window bills. Full-colour leaflets. Don't lose this big chance. Order now! Stock now! Sell now!

SCHICK INCORPORATED (UK) LTD.
Wisborough Green, 'nr. Billingshurst Sussex

alina Always in Demand



Halina 35x Halina

- ★ All metal precision 35 mm.
- \star f/3.5/45 mm. colour corrected lens.
- ★ Synchronised shutter up to 1/200th sec.

★ Coupled film Transport and exposure counter.

IDEAL FOR BLACK/WHITE COLOUR

Ever Ready case £1/8/1

SUPER 35X

ALL METAL BODY * RAPID LEVER WIND

> A single stroke advances the film, counts the exposure and cocks the shutter.

★ LUMINOUS BRIGHT-LINE FRAMEFINDER

> The subject appears suspended within the lines of the frame.

- HALINA Anastigmat f/3.5/45 mm. Hard Coated. Colour Corrected 3 Element
- FOUR Speed Shutter—Speeded up to 1/200th sec. and B, with Readily Accessible Speed Setting Ring.



- Synchronised for flash.
- Double Exposure Prevention.
- Coupled Film Transport and Exposure Counter.

£9-9-0

Ever Ready case £1/19/6



Halina Al

- * TWO CAMERAS IN ONE
- ★ All metal.
- \bigstar 2\frac{1}{4} \times 2\frac{1}{4} \text{ and 35 mm. on 120 film.}
- ★ f/3.5/80 mm. colour corrected
- ★ Synchronised shutter speeded up to 1/100th sec.
- ★ Coupled front lens focusing.

Leather Ever Ready case £1/19/6

Halina 6-4

TWO-IN-ONE CAMERA

 $2\frac{1}{4}$ " x $2\frac{1}{4}$ " or $1\frac{5}{8}$ " x $1\frac{5}{8}$ "

- * ALL METAL
- ★ Achromatic lens f/8.
- ★ Front lens focusing
- ★ Apertures 8-11-16
- * Double exposure prevention
- * Synchronised flash (bulbs)



Ever Ready Case £1/9/11 detachable back

Halina PET

FINEST VALUE IN 35-mm. **CAMERAS**

- ★ Achromat 50 mm, lens.
- ★ Three apertures, Dull—bright—sunny. ★ Bulb and instantaneous
- ★ Takes all standard 35 mm.
- cassettes.
- ★ Synchronised for flash.
- ★ Double exposure prevention.
- Coupled film transport and exposure counter.

IDEAL FOR COLOUR BLACK/WHITE



ALL METAL BODY £4 - 19 - 6

Ever Ready case £1/8/1

Halina

35 mm. TABLE VIEWER

- * The extra large, precision ground twin optically polished lenses are made from the world-famous Chance Pilkington Optical Glass giving perfect enlargements.
- Lenses can be taken out for cleaning purposes.



Batteries 10d extra



Halina TV VIEWER

3 Condensers ★ Mains Use Accepts all sizes

2 x 2 in. 🛨 2\frac{3}{4} x 2\frac{3}{4} in. Viewing Area 33 x 33 in. TWO TONE STYLING ★ Two Viewing positions



Halina VICEROY

★ TWO CAMERAS IN ONE

- ★ All metal.
- ★ 2½ x 2½ and 35 mm. on 120 film
- ★ Actual size ground glass reflex view-finder.
- ★ Double meniscus ★ Synchronised

Ever Ready Case 18/-

SILBER LTD., 11 Northburgh St, London, E.C.I. Telephone: CLErkenwell 8031 (10 lines)



Whole pages in full colour in Woman REALM & Woman's own will sell these new POTTER & MOORE products for you...

Potter & Moore Cream Perfume, Liquid Perfume, Potter& Moo Solid Perfume, Bath Cubes, Talcum Powder...in these four perfume ranges... eaven Blue Heaven, Apple Blossom, CREAM PERFUME Spring Dawn & Gold Brocade.

This dominant full colour advertising in Britain's biggest circulation women's magazines will be supported by large black & white spaces in the same publications. The entire campaign will add up to ...

More profit for '

Special display terms to give To help you make the most of this powerful promotion there are special display terms that will push your profits even higher. Ask your Potter & Moore representative for full details, or write direct to:

Potter & Moore Ltd · Lavender House · London E.10 · Tel: Leytonstone 3334

Enough to turn the heads of 15 MILLION WOMEN!

(that's how many can see Color-Glo ads)

- *Big spaces, full colour in the top women's weeklies—
- *Dominating spaces in the top daily and top Sunday newspapers—
- * Unduplicated readership of 15 million women—

That's how Color-Glo advertising sets out to win new customers for you and remind old customers it's time to buy again. When they come into your shop, welcome them with Color-Glo displays. And if you haven't got all thirteen beautiful shades in stock, now's the time to order.

- DEEP RICH CHESTNUT WARM CHESTNUT
- BLACK TULIP AUBURN DEEP AUBURN
- GOLDEN CHESTNUT MOLTEN GOLD
- DOVE GREY HONEY BROWN

and the famous Color:Glo Brown-Sherry Shades

- DARK BROWN SHERRY
- BROWN SHERRY
- AMBER-BROWN SHERRY
- LIGHT SHERRY



COLOFGIO TE L'OREAL GENERAL CONTRACTOR DE L'OREAL CONTRACTOR DE L'

Semi-permanent Hair Colouring

Price 24/- per dozen bottles, plus tax. Retail 3/6 per bottle

Manufactured and distributed by:

GOLDEN LIMITED

Berkeley Square House, Berkeley Square, London W.1. Mayfair 8240

Republic of Ireland enquiries to: Lilmar Pharmaceuticals Limited, Santry, Dublin

BE READY FOR BIG SALES—WITH PROFITS FROM 33\frac{1}{3}\% TO 42\%—whatever the weather!

Q.T. Quick Tanning Lotion will sell fast, not only to holidaymakers and weekenders, but also to the increasing number of people who go abroad every year and buy their suntan preparations well in advance. By using the free display material on your counter and in your windows, you'll get the benefit of the big press campaigns as well as stimulating impulse sales from your regular customers and passers-by.



New-principle formulation makes Q.T. entirely DIFFERENT—gives an even, NATURAL Tan in 3 to 5 hours with or without sun.

There is no dye in Q.T. Quick Tanning Lotion, and there is nothing artificial about the tan it gives. The formulation is based upon ingredients compatible with skin tissues, which actually induce natural tanning, and at the same time protect and condition the skin. Q.T. Lotion contains special moisturisers and emollients.

92% MARKET SHARE IN THE U.S.A.!

Because Q.T. Quick Tanning Lotion does everything it claims, without streaking or drying the skin, it took America by storm! During 1962, Q.T. Sales increased by 92.8% over 1961, and took 91.9% of the total market. Retailers quickly found that they needed to stock only Q.T. to get a dominant share of sales!

EXCLUSIVE INGREDIENTS ENSURE no streaks, EXTRA SUNBURN PROTECTION.

No other suntan preparation contains the exclusive ingredients developed by the Coppertone Corporation of Miami, Florida, U.S.A. Ketochromin is the unique, skin-compatible "tanning agent" which supersedes dyes because it induces natural, even tanning without streaks. And unique Solban in Q.T. provides extra protection by screening out the sun's burning rays, protecting even a baby's sensitive skin.

CLINICALLY TESTED.

Dermatological trials in the U.S.A. have proved that Q.T. Lotion is entirely safe for all normal skins—even applied when the skin is broken—and also gives quite exceptional protection against sunburn and against drying under prolonged exposure to strong sunlight and heat.

FULL-COLOUR DISPLAY MATERIAL BACKS NATIONAL ADVERTISING.

Millions of Britain's young women will be introduced to America's Quick-Tanning Miracle through press advertisements appearing every week during the summer in three mass-circulation papers: The Daily Mirror, The Sunday Mirror and The People. At the point of sale they will see rotating wire dispensers, merchandiser boxes, bottle crowners, window display units and leaflets in dispensers.

PLOUGH INC., (UNITED KINGDOM) LIMITED.

In lightweight, unbreakable squeeze-bottles: 12/6 and 7/6

EXCLUSIVE NEW-PRINCIPLE FORMULATION:

AMERICA'S
Quick-Tanning
MIRACLE!

Sole distributors:

FOOD BROKERS LIMITED

Chemist Division,

Crown House, Morden, Surrey. Tel: LIBerty 7284

TANS, MOISTURISES, PROTECTS-AND DOESN'T STREAK!



whichever way you look at it . . .

SALTER SALTER STRAND 200 PERSONAL WEIGHER IS SURE TO BE A BIG SUCCESS!





The new STRAND, backed by SALTER'S 200 years of weighing experience, is remarkable value for only 57/6 retail. It is being advertised regularly in the national Sunday newspapers.

Make sure that your stocks are adequate to meet the demand this massive advertising campaign will create.

The STRAND is made by



Geo. Salter & Co. Ltd., West Bromwich. Established 1760

M-W. 552

MORE and MORE DENTURE WEARERS ARE USING STERADENT

ARE YOU GETTING YOUR SHARE OF THE STEADILY INCREASING SALES?

Now 1963 brings the strongest and most persuasive campaign in Steradent history...

ON TELEVISION — convincing 30-second and 60-second commercials will show how Steradent removes stains that other cleaning methods will not.

These commercials will be concentrated from March to September throughout the network—London, Midlands, North, Scottish, TWW, Southern, Tyne Tees, Anglia, Westward and Channel Islands, Ulster, Border, Grampian and WWN.

IN THE PRESS — Steradent users themselves tell, in their own words, why they changed to, and stay with, Steradent.

These interesting testimonial advertisements appear week after week, dominating pages of the huge circulation RADIO TIMES.



MORE PEOPLE THAN EVER WILL BE BUYING STERADENT IN 1963

Regd,

Check your stocks and put Steradent on display now!

A NEW DISPLAY for

SHAVING BRUSHES

Each brush Guaranteed for 2 years



FREE with PARCEL No. 910 containing...

4 pcs. No. 20 PURE BRISTLE BRUSH Each in window carton RETAIL PRICE 4/11 EACH 4 pcs. No. 21 PURE BRISTLE BRUSH Each in acetate tube RETAIL PRICE 6/9 EACH 4 pcs. No. 22 PURE BRISTLE BRUSH Each in acetate tube RETAIL PRICE 8/6 EACH W.S.P. 45/9 Plus P.T. RETURNS 80/8

PROGRESS SHAVING BRUSH (VULFIX) LIMITED

MOTTRAM STREET, STOCKPORT, CHESHIRE. Tel. STO 2147

Landon Office: 143 New Bond St. London W.I Tel. HYDe Park 3886-7



Stock up with . . .



SYNFOAM SUPER SPONGE

HONEYCOMB · ALL PURPOSE FULLY SYNTHETIC

STANDARD SIZE Retail Price 2/10 LARGE SIZE Retail Price 3/9 GIANT SIZE Retail Price 6/0 USUAL DISCOUNTS

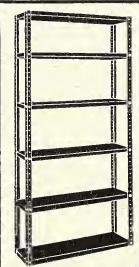
Each Sponge in a 3-coloured transparent sleeve. Each doz. in carton. 12 doz. in cardboard box.

Obtainable from YOUR USUAL WHOLESALER or contact:—

FLETCHER & FARLOW LTD.

Finsbury Court, Finsbury Pavement,
London, E.C.2 • Tel: MONarch 6810

"SYNFOAM SUPER"
SELLS ON SIGHT!



STEEL SHELVING HEAVY GAUGE

Free delivery within 14 days. N. Scotland, Ireland, I.O.M. 10% extra

71" high × 34" wide, 12" deep with 6 shelves as illustrated. C.W.O. or C.O.D.

60/-

Each shelf will hold over 3 cwt. Shelves adjustable every 2". Stove enamelled dark green. White enamel units \$0% extra.

Height 71" 71" 71" 71"	Width 34" 34" 34" 33½" 34"	Depth 9" 12" 15" 18"	No. of Shelves 6 6 6	Price \$8/- 60/- 69/- 81/- 68/-	Price each 3 or more 56/- 58/- 67/- 79/- 66/-	Shelves 7/- 8/- 9/6 11/6 8/-
85"	34"	12"	6	68/-	66/-	8/-
85"	42"	12"		86/-	84/-	11/-

HANDY DRAWER UNIT

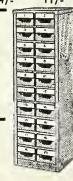
42" high, 13" wide, 12" deep. 20 DRAWER5: 5" wide, 3" high, 11½" long. 5tove enamelled dark green. Direct from manufacturers. Write now for list of other sizes.

£7.15.0

C.W.O. or C.O.D.

Buy direct from the manufacturers.

ROCHDALE METAL PRODUCTS
Dept. C.D., Shawclough Works, Waterfoot,
Rossendale, Lancs. ROSsendale 2450
Contractors to H.M. Government and United
Kingdom Atomic Energy Authority
EXPORTERS OF STEEL SHELVING



TELEPHONE CENTRAL 6565

Address Box Number Replies to: THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2

APPOINTMENTS — 24/- per ‡" s.c., minimum and pro rata. AGENTS — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT. Run-on — 4/- per line (minimum 20/-). Semi-display — 24/- per ‡" s.c. minimum, Displayed with border rule, larger type faces and blocks — 60/- per s.c.i minimum, Reduced rates for one-third, one-half and full pages on application. SITUATIONS WANTED — 6/- per 18 words minimum, then 4d. per word. Use of Box No. — 2/-. Advertisements received by 4 p.m. Tuesday published same week.

OVERSEAS VISITORS

YOUNG COMMERCIAL EMPLOYEE with important position in the buying department of leading pharmaceutical wholesale and manufacturing firm in the Netherlands, holidaying in London from May 23 until June 3, wishes to meet people with the object of practising the English language and discussing mutual interests, Write: W. Zuurveld, P.C. Hooftstraat 14, Maarssen (Holland), C 5209

PREMISES

NORTH KENSINGTON, New shops ready January 1964, 19 ft. frontage, 27 ft. depth, with basement store having rear access service road Lease 28 years, Details: Housing Officer, Library Building, Phillimore Walk, W.8.

SHOP IN MULTIPLE TRADING POSITION

in main N. London Broadway, main bus stop outside, 14 years' lease, upper part let to dentist with 8 years to go at £500 p.a. Rent for whole building £1,150 p.a. Price for lease £3,500, No agent. Genuine snip, Phone: Mou. 2573 evenings.

C 5224

SHOPS TO LET. Millfield Farm Estate, Leicester, with s./c. maisonette and garage. Two units remain in new parade of 10 shops serving large estate and surrounding district. Traders represented include butcher, green-groeer, hardware, hairdressers, Co-operative, etc. Rent from £580 per annum exclusive. Apply: Jones, Lang, Wootton & Sons, 58 St. James's Street, S.W.1. HYDe Park 6040, or H. & F. Tarratt & Sons, 16 Market Street, Leicester. C 8170

BUSINESSES FOR DISPOSAL

CHEMIST. Same hands 37 years, Occupying good main road position in delightful part of Harrow, D.f. shop extremely well equipped, Excellent living accommodation comprising: lounge, large kitchen with boiler, 3 bedrooms, stockroom, bathroom, 2 toilets, garden, garage space, dispensary. Trade exceeds £250 p.w. Approx, gross profit 28 per cent, £6,500 including valuable property, s.a.v. Vendor will leave £2,000 on mortgage repayable over 10 years. Sole agents: Russell & James, Latymer Court, Hammersmith, W.6, Phone: Riverside 7815/2237, After hours: Ealing 3566. C 5221

2237. After hours: Ealing 3566. C 5221

RETAIL AND DISPENSING CHEMIST.

Well sited in prosperous small West Riding town, Turnover approximately £9,600 p.a. (nett profit approximately £1,750 p.a.), Large smart well-equipped double-fronted shop and dispensary, Nice living accommodation with spacious hall, modern lounge, fitted kitchen, two double bedrooms, bathroom/w.c., etc. An old-established business, Price: Freehold property, £2,500 (alternatively long lease will be granted), Fully equipped business £2,200 s.a.v. (good loan should be available.), RK.47.A, Ask Henry Stead & Partners, Ltd., 29 Cookridge Street, Leeds, Telephone: 20208, 3 lines. C 5232

WHOLESALE chemist's business (small), near London, Excellent goodwill, Real bargain for take-over by larger concern. Lease expiring owing to rebuilding, Box C 5220.

PREMISES

BOGNOR REGIS QUEENSWAY SHOPPING CENTRE

Units already let to well-known Multiple Companies

Including Pricerite Supermarkets

SHOPS TO LET

Reasonable Rents No Premium

Excellent opening for the Pharmaceutical Trade

Joint Sole Agents:

EDWARD ERDMAN & CO. 6 Grosvenor Street, London, W.I MAYfair 8191

RALFS & CO. Knighton Chambers, Aldwick Road. **BOGNOR REGIS 1750**

C 5200

BUSINESSES WANTED

PROGRESSIVE BRITISH COMPANY with international marketing connections wishes to acquire small to medium size company in pharmaceutical and/or cosmetic field. Write to Box C 8224.

APPOINTMENTS

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

for holiday relief duty in the hospitals of the Group, 13th May to 28th Sept. inclusive. Salary 19 gns, p.w. Apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, London, E.2, C 634

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist in charge at Mildmay Mission Hospital for holiday relief duty: 17th to 29th June, 1963. Salary £23 2s, per week. Apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, London, E.2. C 633

BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Senior Pharmacist

Modern department approved for training students. Salary scale £810-£1,060 per annum, students, Salary search plus higher qualification allowants. London Weighting.
Please apply Hospital Secretary, giving details of age, training, experience and two names C 625

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Pharmacist
required at above hospital from May 13th.
Modern department offering good general experience. Every third Saturday morning off, whitley Council salary scale, Applications in writing, stating age, qualifications and experience, together with the names of two referees to the Chief Pharmacist, C8185

GROVE PARK HOSPITAL. LEE, S.E.12 Chief Pharmacist

Category II, £940 to £1,260 plus London Weighting allowance, two referees to Group Secretary, Lewisham Hospital, High Street, S.E.13. C 632

Appointments—Continued

MOORFIELDS EYE HOSPITAL, CITY ROAD, LONDON, E.C.1

Dispensing Assistant Applications are invited for the post of Dispensing Assistant, female. Whitley Council salary and conditions of service.
Apply in writing, giving names of referees, to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 8233 pital, City Road, London, E.C.1.

LEWISHAM HOSPITAL, HIGH STREET, S.E.13 Senior Pharmacist

required. Applications stating age, qualifica-tions and experience, and names of two referees to Chief Pharmacist. C 636

LONDON JEWISH HOSPITAL,

STEPNEY GREEN, E.1
Locum Pharmacist
required from May 13th, Salary £19 19s, per
week, Modern department, Every third Saturday morning off, Applications to the Chief
Pharmacist (Tel.: STE, 4251), C 8184

LEWISHAM HOSPITAL,

LONDON, S.E.13
Locum Pharmacist
required, £19 19s, a week, Apply Group

MOORFIELDS EYE HOSPITAL, CITY ROAD, LONDON, E.C.1

Locum Dispensing Assistant required immediately. Apply, in writing, to Chief Pharmacist, Moorfields Eye Hospital, C 8232 City Road, London, E.C.1.

MORGANNWG HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

Pharmacist

Applications are invited for the above appointment (full-time or part-time) to undertake duties at Hensol Castle Hospital for the subnormal, nr. Pontyclun and/or Morgannwg Psychiatric Hospital, Bridgend, Glamorgan. The salary for a full-time Pharmacist will be £725 x £30 (2) x £35 (3) x £40 (2)—£970 per annum, and for a part-time Pharmacist at the rate of 40s, 7d, per session of four hours. Applications giving full details of qualifications, past and present appointments, together with the names and addresses of two referees to be sent to the Group Secretary, Morgannwg Hospital, Bridgend.

C 5227

NEASDEN HOSPITAL, BRENTFIELD ROAD, LONDON, N.W.10

Part-time Pharmacist

required for modern department, Number of sessions and hours of duty by arrangement. £2 0s. 7d, per four-hour session, Varied programme of duties, No out-patients, Applications to Physician Superintendent, Neasden Hospital, Brentfield Road, London, N.W.10. C 8235

ROYAL EYE HOSPITAL ST. GEORGE'S CIRCUS, S.E.1

Qualified Dispensing Assistant required, Applications in writing to Hospital Secretary. C 8211

SOUTHMEAD HOSPITAL, BRISTOL (670 beds)

Pharmacist required at Southmead Hospital. This post offers wide experience in modernised depart-

ment.
Applications stating age, qualifications and experience to be sent to the Group Secretary, Southmead Hospital, Bristol, forthwith,

SITUATIONS VACANT WHOLESALE



THE WELLCOME FOUNDATION LIMITED WELLCOME RESEARCH LABORATORIES

PRODUCTION OFFICER

Applications are invited for the post of Production Officer at the Wellcome Research Laboratories, Beckenham, Kent, Candidates should have had experience of the large-scale production of biological products and should preferably have a degree in some branch of science. The duties of the post will be concerned mainly with vaccines and antisera for human and veterinary use covering a number of disciplines including virology, bacteriology, immunology and biochemistry.

The incumbent of the post will be required to mainly along the post will be concerned to the post will be conce

disciplines including virology, bacteriology, immunology and biochemistry.

The incumbent of the post will be required to maintain close liaison with members of the scientific staff of the laboratories as well as with senior sales and marketing executives. The successful conduct of the work will call for exceptional personal qualities including tact, sound judgment, integrity and the ability to work in harmony with colleagues of diverse disciplines and views. The duties will also include the preparation of production schedules, the maintenance of stock registers, statistical analyses, integration with Work Study and the application of legal requirements under the T.S.A. and T.S.O.

As much of the detail of the work will have to be learnt after appointment and as long-term continuity is essential it is expected that the successful candidate will be in the age group 35-45 years, Initial salary will be in accordance with age, experience and qualifications but will be commensurate with the responsibilities involved.

Applications stating full personal particulars, age, experience and qualifications should be addressed to The Director, The Wellcome Research Laboratories, Beckenham, Kent, from whom further particulars may be obtained.

Quality Control Pharmacist

The U.K. subsidiary of a prominent American pharmaceutical manufacturer requires a Quality Control Pharmacist. The person appointed will probably have qualified recently and be capable of growing with an expanding organisation and taking charge of Pharmacy Quality Control within a short time. Write in confidence to the Production Manager, Pretested Products Limited, Maple Cross Industrial Estate, Denham Way, Rickmansworth,

C 8234

Appointments—Continued

ST. ANDREW'S HOSPITAL,

DEVONS ROAD, BOW, E.3

Locum Pharmacist
required immediately at the above hospital.
Apply to Hospital Secretary (Tel.: EASt 2030).

C 8231

ST. MARY'S HOSPITAL FOR WOMEN & CHILDREN,

UPPER ROAD, PLAISTOW,
LONDON, E.13
Locum Tenens Pharmacist-in-Charge
required for an indefinite period, commencing
immediately, Salary at the rate of £24 13s, 6d,
ner week. Apply to the Hospital Secretary

WEST BROMWICH & DISTRICT H.M.C. (GROUP 18), EDWARD STREET, WEST BROMWICH, STAFFS

WEST BROMWICH, STAFFS
Group Pharmacist

Applications are invited for the post of
Group Pharmacist (male or female) Category
IV, Whitley Council Salary and Conditions
of Service apply, The successful applicant
will be responsible for the Pharmaceutical
Services in the Group,
Applications giving age, education, qualifications and previous experience and names of
two referces, to the Group Secretary, West
Bromwich & District H.M.C. C 8226

OYERSEAS

DEPARTMENT OF TECHNICAL CO-OPERATION GOVERNMENT OF TURKEY

Expert in pharmacology and expert in analytical pharmacy required to advise on the organisation of the Drug Control Section of the Central Institute of Hygienc in Ankara, to guide laboratory work and to give specialised training to selected staff. The present staff of the Institute is understood to consist of 6 chemists and subordinate staff.

Appointment on agreement for 2 years under British Government, Salary £3,640 a year for married man; £3,075 single, First £2,500 in each case subject to British income tax, remainder tax free, Child and education allowance. Rent allowance, Free passages, Leave at the

tax, remainder tax free, Unid and education allowance. Rent allowance. Free passages, Leave at the rate of six weeks a year.

Application forms from:

Director of Recruitment,

Department of Technical

Co-operation.

Co-operation,

3 Sanctuary Buildings, Great Smith Street, London, S.W.1. (Please quote RC205/152/06 and state full name). C 8228 3 Sanctuary Buildings,

Appointments (Overseas)—Continued

PHARMACIST

required by GOVERNMENT OF NYASALAND, Ministry of Health, on contract for one tour of 24/36 months in the first instance, Commencing salary according to experience in the scale (including Overseas Addition), £870 rising to £1,425 a year, Gratuity (liable to tax), 25 per cent, of total salary drawn. Outfit allowance £30, Free passages, Liberal leave on full salary, Candidates must be M.P.S. preferably with two years' experience after obtaining qualification, Women candidates must be single.

dates must be single,
Apply to CROWN AGENTS, 4
Millbank, London, S.W.1, for further particulars, stating age, name, brief details of qualifications, and experience, and quoting reference
M3/54232.

C 8225

SITUATIONS VACANT RETAIL (HOME)

HEREFORD. Experienced male assistant rc-HEREFORD. Experienced male assistant required for counter work with some dispensing. Permanent position in large well-established business. Applications from young well trained men will also be considered. Good family house available if required. Existing holiday arrangements to stand. Chave & Jackson, Ltd., 6-7 Broad Street. Hereford. C 5230

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A Branch Manager is required for the Pharmacy Section of modern Store, total emoluments £1,300 per annum, superannuated position, Applications in writing giving details of age, experience, etc., to the Personnel Manager, Co-operative, 110 Fratton Road, Portsmouth. C 5219

MAIDA VALE, Lady assistant, experienced in cosmetics, required for small good-class family business, Salary £12. The Lauderdale Pharmacy, 7 Lauderdale Parade, London, W.9. Telephone: Cunningham 7509. C 5213

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SURGICAL instrument and hospital equipment sales representative required, resident Birmingham or Midland area, Edwards Surgical Supplies, Ltd., 289 City Road, E.C.1. C 5176

m.m.l.

MOORE MEDICINAL PRODUCTS LTD.

invite applications for a new appointment:

SALES/MARKETING EXECUTIVE

The successful applicant will preferably have had experience in Market Research; Advertising; Sales Promotion and Medical Information routines. He will be expected to play a leading part in the continuous training of Representatives.

The Company is engaged in rapid expansion and a keen man with imagination and ability is required preferably in the 28-38 age group. A pharmaceutical qualification would be an advantage.

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Apply in strict confidence (with photograph if possible) to:-

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C 8229

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The buildings in the picture are devoted entirely to pharmaceutical research and here some 650 I.C.I. men and women are engaged in a search for new drugs that will contribute to the health and well-being of mankind.

It is essential that the fruits of their labours are presented to the medical profession by men who not only have the necessary technical knowledge but also bring with them qualities of integrity in keeping with the standards of the medical profession itself.

As a result of recent further expansion, there are vacancies for Medical Representatives in London and the Home Counties, so if you are looking for a satisfying career in a Company which believes in proper rewards for merit and loyalty and you consider you have the qualities and technical knowledge required, you should write giving brief details of your background and experience to:



Full details of working conditions and the Company's Pension and Profit Sharing Schemes will be given to those candidates selected to attend for interviews.

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ASSEMBLER for drugs and medicals for hospital orders, Some experience and know-ledge of drugs an advantage, Good salary and conditions, Apply: Biorex Labs, Ltd., 47/51 Exmouth Market, E.C.1. TER, 9494.

PHARMACIST, male or female, required to assist managing director of expanding ethical pharmaceutical company, Applicants must enjoy hard work and be capable of wide range of activity. Guidance given if necessary. Car driver preferred, Apply in confidence with details of age, experience and salary expected, to Box C 5223.

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Experienced tablet coater required by Wright Layman & Umney, Ltd., for expanding department, Good salary and working conditions; can-teen service; pensions fund; 42-hour, 5-day week. Apply with full details of previous

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Works Manager,
66/76 Park Street,
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C 5215

TABLET MAKERS. Experienced workers or those seeking an opportunity to broaden experience in tablet production are asked to apply, in writing, outlining career to date. London area, Five-day week, Pension scheme, Box C 5202.

YOUNG experienced man required for responsible position in ethical warehouse, Ethical experience essential, Apply: Mr. L. J. Bampton, Barelay & Son (Croydon), Ltd., 540a Purley Way, Croydon, Telephone: Croydon 5116, C 5228

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AGENT required by old-established manufacturers to sell a range of toilet preparations in new and attractive presentation to retail trade, London area, Generous commission terms, Box C 5216.

ESTABLISHED agents required, all areas, to earry new packs of "DEXTROSE" tablets. Ready-sale counter display units, Send full details stating area and commission required, Peters Limited, Goods Depôt, Chalk Farm Gate, Chalk Farm Road, London, N.W.I. C 5229

FIRST-CLASS AGENTS WANTED by André Philippe, Ltd., for their expansion programme, Applications invited, TOP MAN REQUIRED ESPECIALLY FOR LONDON. Phone or write André Philippe, Ltd., 71/71B Gowan Avenue, Fulham, S.W.6, RENown 2194/2397.

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OLD-ESTABLISHED Dublin company shortly moving to new factory and warehouse premises, are interested to hear from U.K. firms who wish to manufacture and/or market their products to chemists or grocers. Box C 5119.

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WE WILL PURCHASE for cash a complete WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8.

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Well-known British Pharmaceutical Company has spare manufacturing facilities at factory in Rome. Willing to manufacture Tablets, Solutions, etc., for other Companies on mutually acceptable terms. Interested parties (Principals only) please contact Box C 8134.

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"ADVANTAGES OF TRADING AS A LIMITED COMPANY" 3/-, post free, may save you thousands of pounds of personal income tax—New Ready-made Company registrations £25, for Chemists, Faney Goods, Photography, Seientific Instruments, Investment, Stocks and Shares and 1,001 other businesses, Write, call or 'phone, Dept. 55, Business Economy, 156 Strand, London, W.C.2 (Tem, 8377/8; 2294/5) and 19 Walker Street, Edinburgh, 3 (Cal, 1167/9). C 622

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TENDERS

SOUTH-EAST METROPOLITAN REGIONAL HOSPITAL BOARD AREA "G"

Tenders are invited by the undermentioned Hospital Management Committees for the supply of Drugs, Chemicals and Pharmaceutical Preparations, Medical and Surgical Sundries and Surgical Dressings for the year commencing 1st July, 1963:—

Bexley; Darenth and Stone; Dartford; Orpington and Sevenoaks; Sideup.

Forms of tender may be obtained from the Supplies Officer, Dartford Hospital Management Committee, The Bow Arrow Hospital, Dartford, and must be returned as directed on the form by not later than 10 a.m. on Wednesday, 29th May, 1963,

E. J. M. Durrant,
Group Secretary,
Dartford Hospital Management
Committee,
The Bow Arrow Hospital,
Dartford.

Committee,
The Bow Arrow Hospital,
Dartford.

Dartford. 6th May, 1963.

C 8239

TRADE MARKS

REGISTERED TRADE MARK (unused) for sale, Class 5, "Disinfectants, deodorants, insecticides and preparations for repelling insects." Box C 5217.

TRADE MARK No. 600628 consisting of the word "ACTRON" and registered in respect of "Pharmaceutical, veterinary and sanitary substanees; and preparations for killing weeds and destroying vermin," was assigned on 22nd February, 1963, by Wilcox, Jozeau & Co., Limited, of 74/77 White Lion Street, London, N.1, to Miles Laboratories Inc., of 1127 Myrtle Street, City of Elkhart, State of Indiana, U.S.A., WITHOUT THE GOODWILL OF THE BUSINESS IN WHICH IT WAS THEN IN USE. C5

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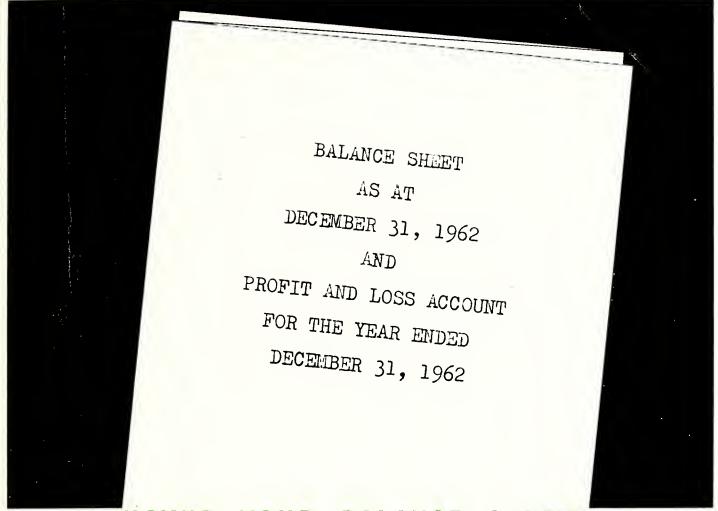
KEK GRINDING MILL number 4. Output 100-200 lb. per hour, Details: C. Skerman & Sons, Ltd., 10 Parson's Green, S.W.6. RENown 6402.

FOR SALE

CHEMIST FIXTURES AND FITTINGS (oak) including drug run and dispensing screen. Offers, Temple Drug Store, Ltd., 22 Devereux Court, Essex Street, Strand, W.C.2.

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